

October 09, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

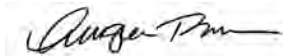
RE: Project: BRIDGETON LF T1-023
Pace Project No.: 60179262

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 02, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179262001	T1-023	Water	10/01/14 11:16	10/02/14 02:15
60179262002	TRIP BLANK	Water	10/01/14 11:16	10/02/14 02:15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60179262001	T1-023	EPA 200.7	TDS	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	JML	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60179262002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

Sample: T1-023		Lab ID: 60179262001	Collected: 10/01/14 11:16	Received: 10/02/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	4100	ug/L	375	1	10/03/14 17:00	10/07/14 10:48	7429-90-5	
Antimony	ND	ug/L	50.0	1	10/03/14 17:00	10/07/14 10:48	7440-36-0	
Arsenic	479	ug/L	50.0	1	10/03/14 17:00	10/07/14 10:48	7440-38-2	
Beryllium	ND	ug/L	5.0	1	10/03/14 17:00	10/07/14 10:48	7440-41-7	
Cadmium	ND	ug/L	25.0	1	10/03/14 17:00	10/07/14 10:48	7440-43-9	
Chromium	147	ug/L	25.0	1	10/03/14 17:00	10/07/14 10:48	7440-47-3	
Cobalt	ND	ug/L	25.0	1	10/03/14 17:00	10/07/14 10:48	7440-48-4	
Copper	ND	ug/L	50.0	1	10/03/14 17:00	10/07/14 10:48	7440-50-8	
Iron	45000	ug/L	250	1	10/03/14 17:00	10/07/14 10:48	7439-89-6	
Lead	58.5	ug/L	25.0	1	10/03/14 17:00	10/07/14 10:48	7439-92-1	
Nickel	79.4	ug/L	25.0	1	10/03/14 17:00	10/07/14 10:48	7440-02-0	
Selenium	ND	ug/L	75.0	1	10/03/14 17:00	10/07/14 10:48	7782-49-2	
Silver	ND	ug/L	35.0	1	10/03/14 17:00	10/07/14 10:48	7440-22-4	
Thallium	ND	ug/L	100	1	10/03/14 17:00	10/07/14 10:48	7440-28-0	
Zinc	2630	ug/L	250	1	10/03/14 17:00	10/07/14 10:48	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND	ug/L	375	1	10/06/14 14:30	10/07/14 12:32	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	10/06/14 14:30	10/07/14 12:32	7440-36-0	
Arsenic, Dissolved	343	ug/L	50.0	1	10/06/14 14:30	10/07/14 12:32	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	10/06/14 14:30	10/07/14 12:32	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	10/06/14 14:30	10/07/14 12:32	7440-43-9	
Chromium, Dissolved	81.4	ug/L	25.0	1	10/06/14 14:30	10/07/14 12:32	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	10/06/14 14:30	10/07/14 12:32	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	10/06/14 14:30	10/07/14 12:32	7440-50-8	
Iron, Dissolved	43500	ug/L	250	1	10/06/14 14:30	10/07/14 12:32	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	10/06/14 14:30	10/07/14 12:32	7439-92-1	
Nickel, Dissolved	68.3	ug/L	25.0	1	10/06/14 14:30	10/07/14 12:32	7440-02-0	
Selenium, Dissolved	ND	ug/L	75.0	1	10/06/14 14:30	10/07/14 12:32	7782-49-2	
Silver, Dissolved	ND	ug/L	35.0	1	10/06/14 14:30	10/07/14 12:32	7440-22-4	
Thallium, Dissolved	ND	ug/L	100	1	10/06/14 14:30	10/07/14 12:32	7440-28-0	
Zinc, Dissolved	275	ug/L	250	1	10/06/14 14:30	10/07/14 12:32	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	6.0	1	10/08/14 16:20	10/09/14 13:24	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	10/09/14 09:05	10/09/14 15:13	7439-97-6	M1
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	2500	1	10/02/14 00:00	10/03/14 10:03	534-52-1	L3
Hexachloro-1,3-butadiene	ND	ug/L	500	1	10/02/14 00:00	10/03/14 10:03	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	500	1	10/02/14 00:00	10/03/14 10:03	77-47-4	
Hexachloroethane	ND	ug/L	500	1	10/02/14 00:00	10/03/14 10:03	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1000	1	10/02/14 00:00	10/03/14 10:03	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	3020	ug/L	2000	1	10/02/14 00:00	10/03/14 10:03		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

Sample: T1-023	Lab ID: 60179262001	Collected: 10/01/14 11:16	Received: 10/02/14 02:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/02/14 00:00	10/03/14 10:03	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/02/14 00:00	10/03/14 10:03	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/02/14 00:00	10/03/14 10:03	87-86-5	
Phenol	4160 ug/L		500	1	10/02/14 00:00	10/03/14 10:03	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/02/14 00:00	10/03/14 10:03	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/02/14 00:00	10/03/14 10:03	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	101 %		33-120	1	10/02/14 00:00	10/03/14 10:03	4165-60-0	
2-Fluorobiphenyl (S)	76 %		39-120	1	10/02/14 00:00	10/03/14 10:03	321-60-8	
Terphenyl-d14 (S)	86 %		45-120	1	10/02/14 00:00	10/03/14 10:03	1718-51-0	
Phenol-d6 (S)	27 %		11-120	1	10/02/14 00:00	10/03/14 10:03	13127-88-3	
2-Fluorophenol (S)	43 %		17-120	1	10/02/14 00:00	10/03/14 10:03	367-12-4	
2,4,6-Tribromophenol (S)	106 %		39-120	1	10/02/14 00:00	10/03/14 10:03	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	47700 ug/L		1000	100		10/02/14 21:49	67-64-1	N2
Benzene	ND ug/L		100	100		10/02/14 21:49	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/02/14 21:49	75-27-4	
Bromoform	ND ug/L		100	100		10/02/14 21:49	75-25-2	
Bromomethane	ND ug/L		500	100		10/02/14 21:49	74-83-9	
2-Butanone (MEK)	15300 ug/L		1000	100		10/02/14 21:49	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/02/14 21:49	56-23-5	
Chloroethane	ND ug/L		100	100		10/02/14 21:49	75-00-3	
Chloroform	ND ug/L		100	100		10/02/14 21:49	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/02/14 21:49	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/02/14 21:49	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/02/14 21:49	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/02/14 21:49	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/02/14 21:49	100-41-4	
Methylene chloride	ND ug/L		100	100		10/02/14 21:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/02/14 21:49	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/02/14 21:49	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/02/14 21:49	127-18-4	
Toluene	ND ug/L		100	100		10/02/14 21:49	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/02/14 21:49	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/02/14 21:49	79-00-5	
Trichloroethene	ND ug/L		100	100		10/02/14 21:49	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/02/14 21:49	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/02/14 21:49	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	106 %		80-120	100		10/02/14 21:49	460-00-4	
Toluene-d8 (S)	100 %		80-120	100		10/02/14 21:49	2037-26-5	
1,2-Dichloroethane-d4 (S)	95 %		80-120	100		10/02/14 21:49	17060-07-0	
Preservation pH	6.0		1.0	100		10/02/14 21:49		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	29.6 mg/L		5.0	1		10/06/14 14:49		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

Sample: T1-023		Lab ID: 60179262001	Collected: 10/01/14 11:16	Received: 10/02/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/06/14 14:52		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	4620	mg/L	5.0	1		10/07/14 14:08		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.4	Std. Units	0.10	1		10/06/14 11:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	10700	mg/L	2.0	1	10/02/14 17:08	10/07/14 15:43		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	242	mg/L	5.0	50		10/04/14 16:14	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	22200	mg/L	2500	250		10/08/14 10:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

Sample: TRIP BLANK		Lab ID: 60179262002	Collected: 10/01/14 11:16	Received: 10/02/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/02/14 20:38	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/02/14 20:38	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/02/14 20:38	75-27-4	
Bromoform	ND ug/L		1.0	1		10/02/14 20:38	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/02/14 20:38	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/02/14 20:38	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/02/14 20:38	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/02/14 20:38	75-00-3	
Chloroform	ND ug/L		1.0	1		10/02/14 20:38	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/02/14 20:38	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/02/14 20:38	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/02/14 20:38	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/02/14 20:38	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/02/14 20:38	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/02/14 20:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/02/14 20:38	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/02/14 20:38	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/02/14 20:38	127-18-4	
Toluene	ND ug/L		1.0	1		10/02/14 20:38	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/02/14 20:38	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/02/14 20:38	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/02/14 20:38	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/02/14 20:38	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/02/14 20:38	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	104 %		80-120	1		10/02/14 20:38	460-00-4	
Toluene-d8 (S)	101 %		80-120	1		10/02/14 20:38	2037-26-5	
1,2-Dichloroethane-d4 (S)	97 %		80-120	1		10/02/14 20:38	17060-07-0	
Preservation pH	6.0		1.0	1		10/02/14 20:38		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch: MERP/8882

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60179262001

METHOD BLANK: 1455820

Matrix: Water

Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/09/14 13:08	

LABORATORY CONTROL SAMPLE: 1455821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.4	88	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455822 1455823

Parameter	Units	60179262001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Mercury	ug/L	ND	150	150	78.3	76.8	52	51	70-130	2	20	M1	

MATRIX SPIKE SAMPLE: 1455824

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L		6.2	150	144	92	70-130

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch:	MERP/8884	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60179262001		

METHOD BLANK: 1455996 Matrix: Water
Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/09/14 15:09	

LABORATORY CONTROL SAMPLE: 1455997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455998 1455999

Parameter	Units	60179262001		MS		MSD		% Rec		Max		Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Mercury, Dissolved	ug/L	ND	150	150	97.2	86.7	65	58	70-130	11	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch: MPRP/29174

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60179262001

METHOD BLANK: 1453694

Matrix: Water

Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/07/14 10:43	
Antimony	ug/L	ND	10.0	10/07/14 10:43	
Arsenic	ug/L	ND	10.0	10/07/14 10:43	
Beryllium	ug/L	ND	1.0	10/07/14 10:43	
Cadmium	ug/L	ND	5.0	10/07/14 10:43	
Chromium	ug/L	ND	5.0	10/07/14 10:43	
Cobalt	ug/L	ND	5.0	10/07/14 10:43	
Copper	ug/L	ND	10.0	10/07/14 10:43	
Iron	ug/L	ND	50.0	10/07/14 10:43	
Lead	ug/L	ND	5.0	10/07/14 10:43	
Nickel	ug/L	ND	5.0	10/07/14 10:43	
Selenium	ug/L	ND	15.0	10/07/14 10:43	
Silver	ug/L	ND	7.0	10/07/14 10:43	
Thallium	ug/L	ND	20.0	10/07/14 10:43	
Zinc	ug/L	ND	50.0	10/07/14 10:43	

LABORATORY CONTROL SAMPLE: 1453695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9890	99	85-115	
Antimony	ug/L	1000	995	100	85-115	
Arsenic	ug/L	1000	949	95	85-115	
Beryllium	ug/L	1000	984	98	85-115	
Cadmium	ug/L	1000	979	98	85-115	
Chromium	ug/L	1000	973	97	85-115	
Cobalt	ug/L	1000	989	99	85-115	
Copper	ug/L	1000	968	97	85-115	
Iron	ug/L	10000	10000	100	85-115	
Lead	ug/L	1000	982	98	85-115	
Nickel	ug/L	1000	999	100	85-115	
Selenium	ug/L	1000	954	95	85-115	
Silver	ug/L	500	484	97	85-115	
Thallium	ug/L	1000	978	98	85-115	
Zinc	ug/L	1000	964	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			1453696		1453697								
Parameter	Units	60179262001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits				
Aluminum	ug/L	4100	50000	50000	57400	57600	107	107	70-130	0	8		
Antimony	ug/L	ND	5000	5000	5220	5220	104	104	70-130	0	7		
Arsenic	ug/L	479	5000	5000	5640	5620	103	103	70-130	0	10		
Beryllium	ug/L	ND	5000	5000	4910	4950	98	99	70-130	1	7		
Cadmium	ug/L	ND	5000	5000	5140	5150	103	103	70-130	0	10		
Chromium	ug/L	147	5000	5000	4900	4930	95	96	70-130	1	10		
Cobalt	ug/L	ND	5000	5000	4850	4870	97	97	70-130	1	6		
Copper	ug/L	ND	5000	5000	5140	5190	102	103	70-130	1	11		
Iron	ug/L	450000	50000	50000	496000	493000	94	86	70-130	1	10		
Lead	ug/L	58.5	5000	5000	4750	4780	94	95	70-130	1	10		
Nickel	ug/L	79.4	5000	5000	4900	4900	96	96	70-130	0	10		
Selenium	ug/L	ND	5000	5000	5300	5300	106	106	70-130	0	10		
Silver	ug/L	ND	2500	2500	2550	2560	102	103	70-130	1	10		
Thallium	ug/L	ND	5000	5000	4400	4410	88	88	70-130	0	6		
Zinc	ug/L	2630	5000	5000	7240	7160	92	91	70-130	1	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023
Pace Project No.: 60179262

QC Batch: MPRP/29186 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 60179262001

METHOD BLANK: 1454935 Matrix: Water
Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/07/14 12:21	
Antimony, Dissolved	ug/L	ND	10.0	10/07/14 12:21	
Arsenic, Dissolved	ug/L	ND	10.0	10/07/14 12:21	
Beryllium, Dissolved	ug/L	ND	1.0	10/07/14 12:21	
Cadmium, Dissolved	ug/L	ND	5.0	10/07/14 12:21	
Chromium, Dissolved	ug/L	ND	5.0	10/07/14 12:21	
Cobalt, Dissolved	ug/L	ND	5.0	10/07/14 12:21	
Copper, Dissolved	ug/L	ND	10.0	10/07/14 12:21	
Iron, Dissolved	ug/L	ND	50.0	10/07/14 12:21	
Lead, Dissolved	ug/L	ND	5.0	10/07/14 12:21	
Nickel, Dissolved	ug/L	ND	5.0	10/07/14 12:21	
Selenium, Dissolved	ug/L	ND	15.0	10/07/14 12:21	
Silver, Dissolved	ug/L	ND	7.0	10/07/14 12:21	
Thallium, Dissolved	ug/L	ND	20.0	10/07/14 12:21	
Zinc, Dissolved	ug/L	ND	50.0	10/07/14 12:21	

LABORATORY CONTROL SAMPLE: 1454936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10200	102	85-115	
Antimony, Dissolved	ug/L	1000	1010	101	85-115	
Arsenic, Dissolved	ug/L	1000	976	98	85-115	
Beryllium, Dissolved	ug/L	1000	1010	101	85-115	
Cadmium, Dissolved	ug/L	1000	1010	101	85-115	
Chromium, Dissolved	ug/L	1000	1010	101	85-115	
Cobalt, Dissolved	ug/L	1000	1020	102	85-115	
Copper, Dissolved	ug/L	1000	980	98	85-115	
Iron, Dissolved	ug/L	10000	10300	103	85-115	
Lead, Dissolved	ug/L	1000	1010	101	85-115	
Nickel, Dissolved	ug/L	1000	1030	103	85-115	
Selenium, Dissolved	ug/L	1000	1000	100	85-115	
Silver, Dissolved	ug/L	500	498	100	85-115	
Thallium, Dissolved	ug/L	1000	1010	101	85-115	
Zinc, Dissolved	ug/L	1000	1020	102	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1454937		1454938									
Parameter	Units	40104127002	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
		Result	Spike	Spike	Result	Result	% Rec	% Rec	Limits				
Aluminum, Dissolved	ug/L	<75.0	10000	10000	10000	10000	100	100	70-130	0	8		
Antimony, Dissolved	ug/L	<10.0	1000	1000	1020	998	101	100	70-130	2	7		
Arsenic, Dissolved	ug/L	<10.0	1000	1000	990	974	99	97	70-130	2	10		
Beryllium, Dissolved	ug/L	<1.0	1000	1000	1010	995	101	99	70-130	2	7		
Cadmium, Dissolved	ug/L	<5.0	1000	1000	993	981	99	98	70-130	1	10		
Chromium, Dissolved	ug/L	<5.0	1000	1000	973	973	97	97	70-130	0	10		
Cobalt, Dissolved	ug/L	5.2	1000	1000	978	968	97	96	70-130	1	6		
Copper, Dissolved	ug/L	11.0	1000	1000	981	973	97	96	70-130	1	11		
Iron, Dissolved	ug/L	<50.0	10000	10000	9960	9900	99	99	70-130	1	10		
Lead, Dissolved	ug/L	<5.0	1000	1000	966	954	97	95	70-130	1	10		
Nickel, Dissolved	ug/L	23.4	1000	1000	1000	988	98	96	70-130	1	10		
Selenium, Dissolved	ug/L	<15.0	1000	1000	974	961	97	96	70-130	1	10		
Silver, Dissolved	ug/L	<7.0	500	500	496	492	99	98	70-130	1	10		
Thallium, Dissolved	ug/L	<20.0	1000	1000	934	929	93	93	70-130	1	6		
Zinc, Dissolved	ug/L	<50.0	1000	1000	967	960	96	95	70-130	1	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch: MSV/64799 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60179262001, 60179262002

METHOD BLANK: 1452781 Matrix: Water

Associated Lab Samples: 60179262001, 60179262002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/02/14 19:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/02/14 19:28	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/02/14 19:28	
1,2-Dichloroethane	ug/L	ND	1.0	10/02/14 19:28	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/02/14 19:28	
2-Butanone (MEK)	ug/L	ND	10.0	10/02/14 19:28	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/02/14 19:28	N2
Acetone	ug/L	ND	10.0	10/02/14 19:28	N2
Benzene	ug/L	ND	1.0	10/02/14 19:28	
Bromodichloromethane	ug/L	ND	1.0	10/02/14 19:28	
Bromoform	ug/L	ND	1.0	10/02/14 19:28	
Bromomethane	ug/L	ND	5.0	10/02/14 19:28	
Carbon tetrachloride	ug/L	ND	1.0	10/02/14 19:28	
Chloroethane	ug/L	ND	1.0	10/02/14 19:28	
Chloroform	ug/L	ND	1.0	10/02/14 19:28	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/02/14 19:28	N2
Ethylbenzene	ug/L	ND	1.0	10/02/14 19:28	
Methylene chloride	ug/L	ND	1.0	10/02/14 19:28	
Tetrachloroethene	ug/L	ND	1.0	10/02/14 19:28	
Toluene	ug/L	ND	1.0	10/02/14 19:28	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/02/14 19:28	
Trichloroethene	ug/L	ND	1.0	10/02/14 19:28	
Vinyl chloride	ug/L	ND	1.0	10/02/14 19:28	
Xylene (Total)	ug/L	ND	3.0	10/02/14 19:28	N2
1,2-Dichloroethane-d4 (S)	%	99	80-120	10/02/14 19:28	
4-Bromofluorobenzene (S)	%	104	80-120	10/02/14 19:28	
Toluene-d8 (S)	%	100	80-120	10/02/14 19:28	

LABORATORY CONTROL SAMPLE: 1452782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.2	101	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	19.1	96	67-127	N2
1,1,2-Trichloroethane	ug/L	20	18.7	94	67-124	
1,2-Dichloroethane	ug/L	20	19.4	97	70-126	
1,4-Dichlorobenzene	ug/L	20	19.4	97	74-120	
2-Butanone (MEK)	ug/L	100	77.5	77	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.2	94	59-131	N2
Acetone	ug/L	100	74.8	75	38-134	N2
Benzene	ug/L	20	20.1	100	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

LABORATORY CONTROL SAMPLE: 1452782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.0	100	68-125	
Bromoform	ug/L	20	20.1	101	65-127	
Bromomethane	ug/L	20	7.8	39	13-157	
Carbon tetrachloride	ug/L	20	19.7	99	70-131	
Chloroethane	ug/L	20	19.2	96	47-133	
Chloroform	ug/L	20	19.7	99	65-127	
cis-1,2-Dichloroethene	ug/L	20	20.3	102	68-127	N2
Ethylbenzene	ug/L	20	20.7	104	74-122	
Methylene chloride	ug/L	20	17.6	88	64-129	
Tetrachloroethene	ug/L	20	19.6	98	73-125	
Toluene	ug/L	20	20.2	101	69-126	
trans-1,2-Dichloroethene	ug/L	20	18.7	94	66-129	
Trichloroethene	ug/L	20	20.2	101	71-123	
Vinyl chloride	ug/L	20	15.3	77	43-129	
Xylene (Total)	ug/L	60	61.5	103	75-121	N2
1,2-Dichloroethane-d4 (S)	%			93	80-120	
4-Bromofluorobenzene (S)	%			104	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE SAMPLE: 1452783

Parameter	Units	60179262001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L		ND	2000	2230	111	52-155
1,1,2,2-Tetrachloroethane	ug/L		ND	2000	1920	96	46-146 N2
1,1,2-Trichloroethane	ug/L		ND	2000	1870	93	52-143
1,2-Dichloroethane	ug/L		ND	2000	1920	96	49-144
1,4-Dichlorobenzene	ug/L		ND	2000	1990	99	33-140
2-Butanone (MEK)	ug/L	15300	10000	22500	73	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L		ND	10000	8650	86	40-160 N2
Acetone	ug/L	47700	10000	52900	51	10-160	N2
Benzene	ug/L		ND	2000	2120	106	37-151
Bromodichloromethane	ug/L		ND	2000	2000	100	35-142
Bromoform	ug/L		ND	2000	2010	101	45-142
Bromomethane	ug/L		ND	2000	1120	56	10-158
Carbon tetrachloride	ug/L		ND	2000	2270	114	70-140
Chloroethane	ug/L		ND	2000	1990	100	19-152
Chloroform	ug/L		ND	2000	2030	102	51-138
cis-1,2-Dichloroethene	ug/L		ND	2000	2110	105	34-147 N2
Ethylbenzene	ug/L		ND	2000	2160	108	40-142
Methylene chloride	ug/L		ND	2000	1850	90	31-144
Tetrachloroethene	ug/L		ND	2000	2170	109	64-148
Toluene	ug/L		ND	2000	2120	106	47-150
trans-1,2-Dichloroethene	ug/L		ND	2000	2040	102	54-151
Trichloroethene	ug/L		ND	2000	2130	106	71-149
Vinyl chloride	ug/L		ND	2000	1970	99	22-146

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

MATRIX SPIKE SAMPLE:		1452783					
Parameter	Units	60179262001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6380	106	37-144	N2
1,2-Dichloroethane-d4 (S)	%				90	80-120	
4-Bromofluorobenzene (S)	%				104	80-120	
Toluene-d8 (S)	%				99	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch: OEXT/46427

Analysis Method: EPA 625

QC Batch Method: EPA 625

Analysis Description: 625 MSS

Associated Lab Samples: 60179262001

METHOD BLANK: 1452745

Matrix: Water

Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/03/14 09:22	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/03/14 09:22	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/03/14 09:22	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/03/14 09:22	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/03/14 09:22	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/03/14 09:22	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/03/14 09:22	
Hexachloroethane	ug/L	ND	5.0	10/03/14 09:22	
Naphthalene	ug/L	ND	5.0	10/03/14 09:22	
Nitrobenzene	ug/L	ND	5.0	10/03/14 09:22	
Pentachlorophenol	ug/L	ND	5.0	10/03/14 09:22	
Phenol	ug/L	ND	5.0	10/03/14 09:22	
2,4,6-Tribromophenol (S)	%	89	39-120	10/03/14 09:22	
2-Fluorobiphenyl (S)	%	79	39-120	10/03/14 09:22	
2-Fluorophenol (S)	%	46	17-120	10/03/14 09:22	
Nitrobenzene-d5 (S)	%	92	33-120	10/03/14 09:22	
Phenol-d6 (S)	%	30	11-120	10/03/14 09:22	
Terphenyl-d14 (S)	%	90	45-120	10/03/14 09:22	

LABORATORY CONTROL SAMPLE: 1452746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	47.2	94	46-120	
2,4,6-Trichlorophenol	ug/L	50	47.6	95	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	34.5	69	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.0	64	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	66.8	134	40-133	L0
Hexachloro-1,3-butadiene	ug/L	50	49.5	99	44-116	
Hexachlorocyclopentadiene	ug/L	100	52.1	52	24-120	
Hexachloroethane	ug/L	50	43.4	87	43-113	
Naphthalene	ug/L	50	47.3	95	48-120	
Nitrobenzene	ug/L	50	50.7	101	48-120	
Pentachlorophenol	ug/L	50	57.2	114	47-120	
Phenol	ug/L	50	15.6	31	16-112	
2,4,6-Tribromophenol (S)	%			107	39-120	
2-Fluorobiphenyl (S)	%			92	39-120	
2-Fluorophenol (S)	%			47	17-120	
Nitrobenzene-d5 (S)	%			106	33-120	
Phenol-d6 (S)	%			29	11-120	
Terphenyl-d14 (S)	%			101	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

MATRIX SPIKE SAMPLE: 1452747		60179193001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	40.2	80	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	45.1	90	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	29.9	60	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	26.3	53	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	ND	6	10-160	M0
Hexachloro-1,3-butadiene	ug/L	ND	50	42.0	84	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	16.5	16	11-120	
Hexachloroethane	ug/L	ND	50	36.4	73	40-113	
Naphthalene	ug/L	ND	50	40.1	80	45-120	
Nitrobenzene	ug/L	ND	50	41.2	82	38-120	
Pentachlorophenol	ug/L	ND	50	48.6	97	43-135	
Phenol	ug/L	ND	50	11.5	23	13-112	
2,4,6-Tribromophenol (S)	%				102	39-120	
2-Fluorobiphenyl (S)	%				83	39-120	
2-Fluorophenol (S)	%				36	17-120	
Nitrobenzene-d5 (S)	%				89	33-120	
Phenol-d6 (S)	%				23	11-120	
Terphenyl-d14 (S)	%				102	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch: WET/50701

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60179262001

METHOD BLANK: 1454968

Matrix: Water

Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/06/14 14:43	

LABORATORY CONTROL SAMPLE: 1454969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	42.4	106	78-114	

MATRIX SPIKE SAMPLE: 1454971

Parameter	Units	60178838001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	43.5	38.4	87	78-114	

SAMPLE DUPLICATE: 1454970

Parameter	Units	60179139001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	21.6	37.4	54	18	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch: WET/50702

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 SGT-HEM, TPH

Associated Lab Samples: 60179262001

METHOD BLANK: 1454972

Matrix: Water

Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/06/14 14:50	

LABORATORY CONTROL SAMPLE: 1454973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	22.6	113	64-132	

MATRIX SPIKE SAMPLE: 1454975

Parameter	Units	60178838001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	21.7	15.2	66	64-132	

SAMPLE DUPLICATE: 1454974

Parameter	Units	60179139001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.3		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch: WET/50714

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60179262001

METHOD BLANK: 1455123

Matrix: Water

Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/07/14 14:04	

SAMPLE DUPLICATE: 1455124

Parameter	Units	60179231001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	200	220	10	10	

SAMPLE DUPLICATE: 1455125

Parameter	Units	60179250004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	768	824	7	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch: WET/50689 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60179262001

SAMPLE DUPLICATE: 1454785

Parameter	Units	60179139001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch: WET/50645

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60179262001

METHOD BLANK: 1452971

Matrix: Water

Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/07/14 14:31	

LABORATORY CONTROL SAMPLE: 1452972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	204	103	85-115	

SAMPLE DUPLICATE: 1452973

Parameter	Units	60179234001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	ND	ND		17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch: WETA/31230

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60179262001

METHOD BLANK: 1454196

Matrix: Water

Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/04/14 15:40	

LABORATORY CONTROL SAMPLE: 1454197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	101	90-110	

MATRIX SPIKE SAMPLE: 1454198

Parameter	Units	60178861002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.28	2	2.0	87	90-110	M1

MATRIX SPIKE SAMPLE: 1454199

Parameter	Units	60178863001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	11.1	10	19.1	79	90-110	M1

SAMPLE DUPLICATE: 1454200

Parameter	Units	60178864001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	16.6	16.1	3	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

QC Batch:	WETA/31253	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60179262001		

METHOD BLANK: 1455190 Matrix: Water
Associated Lab Samples: 60179262001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/08/14 10:20	

LABORATORY CONTROL SAMPLE: 1455191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	47.0	94	90-110	

MATRIX SPIKE SAMPLE: 1455192

Parameter	Units	60178781001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	172	250	420	99	90-110	

MATRIX SPIKE SAMPLE: 1455194

Parameter	Units	60179052004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	3330	2500	5640	92	90-110	

SAMPLE DUPLICATE: 1455193

Parameter	Units	60179108001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	84.8	88.3	4	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-023

Pace Project No.: 60179262

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179262001	T1-023	EPA 200.7	MPRP/29174	EPA 200.7	ICP/21946
60179262001	T1-023	EPA 200.7	MPRP/29186	EPA 200.7	ICP/21959
60179262001	T1-023	EPA 245.1	MERP/8882	EPA 245.1	MERC/8838
60179262001	T1-023	EPA 245.1	MERP/8884	EPA 245.1	MERC/8839
60179262001	T1-023	EPA 625	OEXT/46427	EPA 625	MSSV/14920
60179262001	T1-023	EPA 624 Low	MSV/64799		
60179262002	TRIP BLANK	EPA 624 Low	MSV/64799		
60179262001	T1-023	EPA 1664A	WET/50701		
60179262001	T1-023	EPA 1664A	WET/50702		
60179262001	T1-023	SM 2540D	WET/50714		
60179262001	T1-023	SM 4500-H+B	WET/50689		
60179262001	T1-023	SM 5210B	WET/50645	SM 5210B	WET/50727
60179262001	T1-023	EPA 350.1	WETA/31230		
60179262001	T1-023	EPA 410.4	WETA/31253		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60179262



Client Name: BARR

Courier: Fed Ex UPS USPS Client Commercial Pace Other Express

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194

Type of Ice: Wet Blue None Samples received on ice, cooling process has begun. (circle one)

Cooler Temperature: 1.0

Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: CW 10/2/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. BOD pH
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	BP3N needed HNO3 added 2.5 mL initial pH=6.0 Final = 4.6 BP35 added 1.0 mL H2SO4 initial pH=6.0 Final = 2.0
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, <u>O&G</u> , WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>CW</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative <u>12513-37-10</u> <u>12787-14-18</u>
Pace Trip Blank lot # (if purchased): <u>covered</u>		15. <u>CW 10/1/14</u>
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16. <u>In 15 of the samples</u> <u>3</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y N Field Data Required? Y N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 10/2/14



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/01/14 16:37
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4100231-01**
Sample Description: **TK-2**

Collect Date: **10/01/14 07:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.058 mg/L		10/02/14 11:29	WPS	200.7 04KS
Zinc	0.085 mg/L		10/02/14 11:29	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.94 mg/L		10/02/14 11:31	WPS	200.7 04KS
Zinc	7.2 mg/L		10/02/14 11:31	WPS	200.7 04KS

Sample No: **4100231-02**
Sample Description: **TK-3**

Collect Date: **10/01/14 07:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.053 mg/L		10/02/14 11:33	WPS	200.7 04KS
Zinc	0.061 mg/L		10/02/14 11:33	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.91 mg/L		10/02/14 11:35	WPS	200.7 04KS
Zinc	7.1 mg/L		10/02/14 11:35	WPS	200.7 04KS

Sample No: **4100231-03**
Sample Description: **TK-4**

Collect Date: **10/01/14 07:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.069 mg/L		10/02/14 11:38	WPS	200.7 04KS
Zinc	0.052 mg/L		10/02/14 11:38	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.95 mg/L		10/02/14 11:40	WPS	200.7 04KS
Zinc	7.3 mg/L		10/02/14 11:40	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/01/14 16:37
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4100231-04**
Sample Description: **Permeate**

Collect Date: **10/01/14 07:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Total Metals - STL</u>					
Arsenic	0.083 mg/L		10/02/14 11:42	WPS	200.7 04KS
Selenium	< 0.050 mg/L		10/02/14 11:42	WPS	200.7 04KS
Zinc	0.052 mg/L		10/02/14 11:42	WPS	200.7 04KS

Sample No: **4100231-05**
Sample Description: **TK-200**

Collect Date: **10/01/14 07:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.61 mg/L		10/02/14 11:56	WPS	200.7 04KS
Zinc	5.4 mg/L		10/02/14 11:56	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.72 mg/L		10/02/14 12:00	WPS	200.7 04KS
Zinc	6.1 mg/L		10/02/14 12:00	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/01/14 16:37
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B416729 - 04 EPA 200.2 R2.8								
Blank (B416729-BLK1)			Prepared & Analyzed: 10/02/14					
Arsenic	< 0.010	mg/L						
Selenium	< 0.020	mg/L						
Zinc	< 0.020	mg/L						
LCS (B416729-BS1)			Prepared & Analyzed: 10/02/14					
Arsenic	0.199	mg/L	0.2000		99	85-115		
Selenium	0.200	mg/L	0.2000		100	85-115		
Zinc	0.216	mg/L	0.2000		108	85-115		
Matrix Spike (B416729-MS1)			Source: 4100231-04		Prepared & Analyzed: 10/02/14			
Arsenic	0.624	mg/L	0.5000	0.0827	108	70-130		
Selenium	0.581	mg/L	0.5000	ND	116	70-130		
Zinc	0.629	mg/L	0.5000	0.0522	115	70-130		
Matrix Spike Dup (B416729-MSD1)			Source: 4100231-04		Prepared & Analyzed: 10/02/14			
Arsenic	0.635	mg/L	0.5000	0.0827	110	70-130	2	20
Selenium	0.576	mg/L	0.5000	ND	115	70-130	1	20
Zinc	0.631	mg/L	0.5000	0.0522	116	70-130	0.3	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B416729 - 04 EPA 200.2 R2.8								
Blank (B416729-BLK1)			Prepared & Analyzed: 10/02/14					
Arsenic	< 0.010	mg/L						
Zinc	< 0.020	mg/L						
LCS (B416729-BS1)			Prepared & Analyzed: 10/02/14					
Arsenic	0.199	mg/L	0.2000		99	85-115		
Zinc	0.216	mg/L	0.2000		108	85-115		



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/01/14 16:37
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications; Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
TNI Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS Lab No. E-10389
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 171050
Drinking Water Certifications: Missouri (1050)
Missouri Department of Natural Resources

Certified by: Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
3278 N. Highway 67 (Lindbergh)
Florissant, MO 63033
 www.pdclab.com

CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected _____

(Instructions/Sample Acceptance Policy on Reverse)

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT BLF ADDRESS _____ CITY STATE ZIP Bridgeton, MO CONTACT PERSON Michael KEEN		PROJECT NUMBER _____ PHONE NUMBER _____ P. O. NUMBER _____ FAX NUMBER _____ MEANS SHIPPED _____ EMAIL ADDRESS _____	3 ANALYSIS REQUESTED Total-Zinc Diss-Zinc Total-Arsenic Diss-Arsenic Selenium					4 (FOR LAB USE ONLY) LOGIN # 4100231 LOGGED BY: HSE LAB PROJ. # _____ TEMPLATE: _____ PROJ. MGR.: _____				
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	MATRIX COMP TYPE	Bottle Count	REMARKS					
TK-2		10-1-14	7:40	X		2	X	X	X	X		
TK-3		10-1-14	7:40	X		2	X	X	X	X		
TK-4		10-1-14	7:40	X		2	X	X	X	X		
PERMEATE		10-1-14	7:40	X		1	X		X	X		
TK-200		10-1-14	7:40	X		2	X	X	X	X		
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) <i>Fastrak™</i> (3 Bus. Days) 1-2 Bus. Days Same Day DATE DUE _____		The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.										
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE		6										
7 RELINQUISHED BY: (SIGNATURE) <i>FBI</i> RELINQUISHED BY: (SIGNATURE) <i>Ryan Jones</i> RELINQUISHED BY: (SIGNATURE) _____ RELINQUISHED BY: (SIGNATURE) _____		DATE 10-1-14	TIME 10:40	RECEIVED BY: <i>Ryan Jones</i>	DATE 10-1-14	TIME 10:40	8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT 20.1°C CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE					
		DATE 10/1/14	TIME 12:30	RECEIVED BY: <i>A. Cather</i>	DATE 10/1/14	TIME 14:30						
		DATE	TIME	RECEIVED BY:	DATE	TIME						
		DATE	TIME	RECEIVED BY:	DATE	TIME						

October 10, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

RE: Project: BRIDGETON LF T1-024
Pace Project No.: 60179403

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 03, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179403001	T1-024	Water	10/02/14 11:06	10/03/14 01:50
60179403002	TRIP BLANK	Water	10/02/14 11:06	10/03/14 01:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60179403001	T1-024	EPA 200.7	TDS	15
		EPA 200.7	JGP	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	JML	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60179403002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

Sample: T1-024		Lab ID: 60179403001	Collected: 10/02/14 11:06	Received: 10/03/14 01:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	7200 ug/L		375	1	10/07/14 09:20	10/07/14 15:32	7429-90-5	
Antimony	ND ug/L		50.0	1	10/07/14 09:20	10/07/14 15:32	7440-36-0	
Arsenic	524 ug/L		50.0	1	10/07/14 09:20	10/07/14 15:32	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/07/14 09:20	10/07/14 15:32	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/07/14 09:20	10/07/14 15:32	7440-43-9	
Chromium	185 ug/L		25.0	1	10/07/14 09:20	10/07/14 15:32	7440-47-3	
Cobalt	26.7 ug/L		25.0	1	10/07/14 09:20	10/07/14 15:32	7440-48-4	
Copper	74.0 ug/L		50.0	1	10/07/14 09:20	10/07/14 15:32	7440-50-8	
Iron	612000 ug/L		250	1	10/07/14 09:20	10/07/14 15:32	7439-89-6	
Lead	104 ug/L		25.0	1	10/07/14 09:20	10/07/14 15:32	7439-92-1	
Nickel	90.7 ug/L		25.0	1	10/07/14 09:20	10/07/14 15:32	7440-02-0	
Selenium	ND ug/L		75.0	1	10/07/14 09:20	10/07/14 15:32	7782-49-2	
Silver	ND ug/L		35.0	1	10/07/14 09:20	10/07/14 15:32	7440-22-4	
Thallium	ND ug/L		100	1	10/07/14 09:20	10/07/14 15:32	7440-28-0	
Zinc	4290 ug/L		250	1	10/07/14 09:20	10/07/14 15:32	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/08/14 14:15	10/09/14 10:03	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/08/14 14:15	10/09/14 10:03	7440-36-0	
Arsenic, Dissolved	205 ug/L		50.0	1	10/08/14 14:15	10/09/14 10:03	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/08/14 14:15	10/09/14 10:03	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:03	7440-43-9	
Chromium, Dissolved	51.7 ug/L		25.0	1	10/08/14 14:15	10/09/14 10:03	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:03	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/08/14 14:15	10/09/14 10:03	7440-50-8	
Iron, Dissolved	40500 ug/L		250	1	10/08/14 14:15	10/09/14 10:03	7439-89-6	R1
Lead, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:03	7439-92-1	
Nickel, Dissolved	37.4 ug/L		25.0	1	10/08/14 14:15	10/09/14 10:03	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/08/14 14:15	10/09/14 10:03	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/08/14 14:15	10/09/14 10:03	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/08/14 14:15	10/09/14 10:03	7440-28-0	
Zinc, Dissolved	293 ug/L		250	1	10/08/14 14:15	10/09/14 10:03	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	6.2 ug/L		6.0	1	10/08/14 16:20	10/09/14 14:38	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/09/14 09:05	10/09/14 15:20	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/03/14 00:00	10/09/14 10:14	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/03/14 00:00	10/09/14 10:14	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/03/14 00:00	10/09/14 10:14	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/03/14 00:00	10/09/14 10:14	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/03/14 00:00	10/09/14 10:14	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	3230 ug/L		2000	1	10/03/14 00:00	10/09/14 10:14		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

Sample: T1-024 **Lab ID: 60179403001** Collected: 10/02/14 11:06 Received: 10/03/14 01:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	----	----------	----------	---------	------

625 MSSV

Analytical Method: EPA 625 Preparation Method: EPA 625

Naphthalene	ND ug/L		500	1	10/03/14 00:00	10/09/14 10:14	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/03/14 00:00	10/09/14 10:14	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/03/14 00:00	10/09/14 10:14	87-86-5	
Phenol	4530 ug/L		500	1	10/03/14 00:00	10/09/14 10:14	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/03/14 00:00	10/09/14 10:14	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/03/14 00:00	10/09/14 10:14	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	78 %		33-120	1	10/03/14 00:00	10/09/14 10:14	4165-60-0	
2-Fluorobiphenyl (S)	69 %		39-120	1	10/03/14 00:00	10/09/14 10:14	321-60-8	
Terphenyl-d14 (S)	74 %		45-120	1	10/03/14 00:00	10/09/14 10:14	1718-51-0	
Phenol-d6 (S)	28 %		11-120	1	10/03/14 00:00	10/09/14 10:14	13127-88-3	
2-Fluorophenol (S)	40 %		17-120	1	10/03/14 00:00	10/09/14 10:14	367-12-4	
2,4,6-Tribromophenol (S)	76 %		39-120	1	10/03/14 00:00	10/09/14 10:14	118-79-6	

624 Volatile Organics

Analytical Method: EPA 624 Low

Acetone	44300 ug/L		2000	200		10/09/14 17:21	67-64-1	N2
Benzene	ND ug/L		200	200		10/09/14 17:21	71-43-2	
Bromodichloromethane	ND ug/L		200	200		10/09/14 17:21	75-27-4	
Bromoform	ND ug/L		200	200		10/09/14 17:21	75-25-2	
Bromomethane	ND ug/L		1000	200		10/09/14 17:21	74-83-9	
2-Butanone (MEK)	15400 ug/L		2000	200		10/09/14 17:21	78-93-3	N2
Carbon tetrachloride	ND ug/L		200	200		10/09/14 17:21	56-23-5	
Chloroethane	ND ug/L		200	200		10/09/14 17:21	75-00-3	
Chloroform	ND ug/L		200	200		10/09/14 17:21	67-66-3	
1,4-Dichlorobenzene	ND ug/L		200	200		10/09/14 17:21	106-46-7	
1,2-Dichloroethane	ND ug/L		200	200		10/09/14 17:21	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		200	200		10/09/14 17:21	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		200	200		10/09/14 17:21	156-60-5	
Ethylbenzene	ND ug/L		200	200		10/09/14 17:21	100-41-4	
Methylene chloride	ND ug/L		200	200		10/09/14 17:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		2000	200		10/09/14 17:21	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		200	200		10/09/14 17:21	79-34-5	N2
Tetrachloroethene	ND ug/L		200	200		10/09/14 17:21	127-18-4	
Toluene	ND ug/L		200	200		10/09/14 17:21	108-88-3	
1,1,1-Trichloroethane	ND ug/L		200	200		10/09/14 17:21	71-55-6	
1,1,2-Trichloroethane	ND ug/L		200	200		10/09/14 17:21	79-00-5	
Trichloroethene	ND ug/L		200	200		10/09/14 17:21	79-01-6	
Vinyl chloride	ND ug/L		200	200		10/09/14 17:21	75-01-4	
Xylene (Total)	ND ug/L		600	200		10/09/14 17:21	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	105 %		80-120	200		10/09/14 17:21	460-00-4	
Toluene-d8 (S)	102 %		80-120	200		10/09/14 17:21	2037-26-5	
1,2-Dichloroethane-d4 (S)	100 %		80-120	200		10/09/14 17:21	17060-07-0	
Preservation pH	6.0		1.0	200		10/09/14 17:21		

HEM, Oil and Grease

Analytical Method: EPA 1664A

Oil and Grease	76.8 mg/L		5.0	1		10/08/14 16:12		
----------------	------------------	--	-----	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

Sample: T1-024		Lab ID: 60179403001	Collected: 10/02/14 11:06	Received: 10/03/14 01:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	35.9	mg/L	5.0	1		10/09/14 10:10		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	4820	mg/L	5.0	1		10/08/14 13:33		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.4	Std. Units	0.10	1		10/06/14 11:30		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	10300	mg/L	2.0	1	10/04/14 09:38	10/09/14 17:44		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	246	mg/L	10.0	100		10/05/14 14:50	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	25100	mg/L	2500	250		10/08/14 10:34		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

Sample: TRIP BLANK		Lab ID: 60179403002	Collected: 10/02/14 11:06	Received: 10/03/14 01:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/09/14 17:49	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/09/14 17:49	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/09/14 17:49	75-27-4	
Bromoform	ND ug/L		1.0	1		10/09/14 17:49	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/09/14 17:49	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/09/14 17:49	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/09/14 17:49	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/09/14 17:49	75-00-3	
Chloroform	ND ug/L		1.0	1		10/09/14 17:49	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/09/14 17:49	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/09/14 17:49	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 17:49	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 17:49	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/09/14 17:49	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/09/14 17:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/09/14 17:49	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/09/14 17:49	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/09/14 17:49	127-18-4	
Toluene	ND ug/L		1.0	1		10/09/14 17:49	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/09/14 17:49	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/09/14 17:49	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/09/14 17:49	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/09/14 17:49	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/09/14 17:49	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	106 %		80-120	1		10/09/14 17:49	460-00-4	
Toluene-d8 (S)	101 %		80-120	1		10/09/14 17:49	2037-26-5	
1,2-Dichloroethane-d4 (S)	99 %		80-120	1		10/09/14 17:49	17060-07-0	
Preservation pH	6.0		1.0	1		10/09/14 17:49		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch:	MERP/8882	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
Associated Lab Samples:	60179403001		

METHOD BLANK: 1455820 Matrix: Water
Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/09/14 13:08	

LABORATORY CONTROL SAMPLE: 1455821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.4	88	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455822 1455823

Parameter	Units	60179262001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Mercury	ug/L	ND	150	150	78.3	76.8	52	51	70-130	2	20	M1

MATRIX SPIKE SAMPLE: 1455824

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L		6.2	150	144	92	70-130

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch:	MERP/8884	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60179403001		

METHOD BLANK: 1455996 Matrix: Water
Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/09/14 15:09	

LABORATORY CONTROL SAMPLE: 1455997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455998 1455999

Parameter	Units	60179262001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	97.2	86.7	65	58	70-130	11	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch: MPRP/29194

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60179403001

METHOD BLANK: 1455143

Matrix: Water

Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/07/14 15:28	
Antimony	ug/L	ND	10.0	10/07/14 15:28	
Arsenic	ug/L	ND	10.0	10/07/14 15:28	
Beryllium	ug/L	ND	1.0	10/07/14 15:28	
Cadmium	ug/L	ND	5.0	10/07/14 15:28	
Chromium	ug/L	ND	5.0	10/07/14 15:28	
Cobalt	ug/L	ND	5.0	10/07/14 15:28	
Copper	ug/L	ND	10.0	10/07/14 15:28	
Iron	ug/L	ND	50.0	10/07/14 15:28	
Lead	ug/L	ND	5.0	10/07/14 15:28	
Nickel	ug/L	ND	5.0	10/07/14 15:28	
Selenium	ug/L	ND	15.0	10/07/14 15:28	
Silver	ug/L	ND	7.0	10/07/14 15:28	
Thallium	ug/L	ND	20.0	10/07/14 15:28	
Zinc	ug/L	ND	50.0	10/07/14 15:28	

LABORATORY CONTROL SAMPLE: 1455144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9780	98	85-115	
Antimony	ug/L	1000	989	99	85-115	
Arsenic	ug/L	1000	967	97	85-115	
Beryllium	ug/L	1000	965	97	85-115	
Cadmium	ug/L	1000	980	98	85-115	
Chromium	ug/L	1000	984	98	85-115	
Cobalt	ug/L	1000	975	98	85-115	
Copper	ug/L	1000	954	95	85-115	
Iron	ug/L	10000	9930	99	85-115	
Lead	ug/L	1000	983	98	85-115	
Nickel	ug/L	1000	1010	101	85-115	
Selenium	ug/L	1000	952	95	85-115	
Silver	ug/L	500	487	97	85-115	
Thallium	ug/L	1000	989	99	85-115	
Zinc	ug/L	1000	998	100	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455145												1455146											
Parameter	Units	60179337001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual											
			Spike Conc.	Spike Conc.																			
Aluminum	ug/L	2030	10000	10000	12500	12400	105	104	70-130	1	8												
Antimony	ug/L	ND	1000	1000	993	996	99	99	70-130	0	7												
Arsenic	ug/L	ND	1000	1000	985	981	98	98	70-130	0	10												
Beryllium	ug/L	ND	1000	1000	968	966	97	97	70-130	0	7												
Cadmium	ug/L	ND	1000	1000	994	993	99	99	70-130	0	10												
Chromium	ug/L	ND	1000	1000	991	982	99	98	70-130	1	10												
Cobalt	ug/L	ND	1000	1000	970	969	97	97	70-130	0	6												
Copper	ug/L	14.9	1000	1000	962	958	95	94	70-130	0	11												
Iron	ug/L	2000	10000	10000	12100	12000	101	100	70-130	1	10												
Lead	ug/L	ND	1000	1000	989	992	99	99	70-130	0	10												
Nickel	ug/L	ND	1000	1000	1000	1000	100	100	70-130	0	10												
Selenium	ug/L	ND	1000	1000	979	978	98	98	70-130	0	10												
Silver	ug/L	ND	500	500	492	489	98	98	70-130	1	10												
Thallium	ug/L	ND	1000	1000	985	986	98	98	70-130	0	6												
Zinc	ug/L	ND	1000	1000	1010	1010	99	100	70-130	0	11												

MATRIX SPIKE SAMPLE: 1455147											
Parameter	Units	60179383001 Result	Spike Conc.	MS	MS	% Rec Limits	Qualifiers				
				Result	% Rec						
Aluminum	ug/L		2630	10000	13300	107	70-130				
Antimony	ug/L		ND	1000	1020	101	70-130				
Arsenic	ug/L		ND	1000	1010	100	70-130				
Beryllium	ug/L		ND	1000	975	97	70-130				
Cadmium	ug/L		ND	1000	1010	101	70-130				
Chromium	ug/L		33.4	1000	1010	97	70-130				
Cobalt	ug/L		ND	1000	974	97	70-130				
Copper	ug/L		86.1	1000	1060	97	70-130				
Iron	ug/L		4820	10000	14800	99	70-130				
Lead	ug/L		60.8	1000	1040	98	70-130				
Nickel	ug/L		39.3	1000	1030	99	70-130				
Selenium	ug/L		ND	1000	1000	100	70-130				
Silver	ug/L		ND	500	496	99	70-130				
Thallium	ug/L		ND	1000	974	97	70-130				
Zinc	ug/L		663	1000	1650	99	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch: MPRP/29228

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60179403001

METHOD BLANK: 1455953

Matrix: Water

Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/09/14 09:56	
Antimony, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Arsenic, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Beryllium, Dissolved	ug/L	ND	1.0	10/09/14 09:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Chromium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Cobalt, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Copper, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Iron, Dissolved	ug/L	ND	50.0	10/09/14 09:56	
Lead, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Nickel, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Selenium, Dissolved	ug/L	ND	15.0	10/09/14 09:56	
Silver, Dissolved	ug/L	ND	7.0	10/09/14 09:56	
Thallium, Dissolved	ug/L	ND	20.0	10/09/14 09:56	
Zinc, Dissolved	ug/L	ND	50.0	10/09/14 09:56	

LABORATORY CONTROL SAMPLE: 1455954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10500	105	85-115	
Antimony, Dissolved	ug/L	1000	1030	103	85-115	
Arsenic, Dissolved	ug/L	1000	998	100	85-115	
Beryllium, Dissolved	ug/L	1000	1040	104	85-115	
Cadmium, Dissolved	ug/L	1000	1010	101	85-115	
Chromium, Dissolved	ug/L	1000	1030	103	85-115	
Cobalt, Dissolved	ug/L	1000	975	98	85-115	
Copper, Dissolved	ug/L	1000	1030	103	85-115	
Iron, Dissolved	ug/L	10000	9900	99	85-115	
Lead, Dissolved	ug/L	1000	976	98	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	959	96	85-115	
Silver, Dissolved	ug/L	500	480	96	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	970	97	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

Parameter	Units	1455955		1455956		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		60179403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Aluminum, Dissolved	ug/L	ND	50000	50000	52800	52200	105	104	70-130	1	8		
Antimony, Dissolved	ug/L	ND	5000	5000	5300	5240	106	105	70-130	1	7		
Arsenic, Dissolved	ug/L	205	5000	5000	5470	5310	105	102	70-130	3	10		
Beryllium, Dissolved	ug/L	ND	5000	5000	5140	5120	103	102	70-130	0	7		
Cadmium, Dissolved	ug/L	ND	5000	5000	5160	5100	103	102	70-130	1	10		
Chromium, Dissolved	ug/L	51.7	5000	5000	5120	5060	101	100	70-130	1	10		
Cobalt, Dissolved	ug/L	ND	5000	5000	4660	4660	93	93	70-130	0	6		
Copper, Dissolved	ug/L	ND	5000	5000	5260	5210	105	104	70-130	1	11		
Iron, Dissolved	ug/L	40500	50000	50000	96400	79300	112	78	70-130	19	10	R1	
Lead, Dissolved	ug/L	ND	5000	5000	4610	4630	92	92	70-130	0	10		
Nickel, Dissolved	ug/L	37.4	5000	5000	4930	4920	98	98	70-130	0	10		
Selenium, Dissolved	ug/L	ND	5000	5000	5140	5040	103	101	70-130	2	10		
Silver, Dissolved	ug/L	ND	2500	2500	2490	2440	99	98	70-130	2	10		
Thallium, Dissolved	ug/L	ND	5000	5000	4720	4800	94	96	70-130	2	6		
Zinc, Dissolved	ug/L	293	5000	5000	5000	4880	94	92	70-130	2	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch: MSV/64947 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60179403001, 60179403002

METHOD BLANK: 1456627 Matrix: Water

Associated Lab Samples: 60179403001, 60179403002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/09/14 17:06	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,2-Dichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/09/14 17:06	
2-Butanone (MEK)	ug/L	ND	10.0	10/09/14 17:06	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/09/14 17:06	N2
Acetone	ug/L	ND	10.0	10/09/14 17:06	N2
Benzene	ug/L	ND	1.0	10/09/14 17:06	
Bromodichloromethane	ug/L	ND	1.0	10/09/14 17:06	
Bromoform	ug/L	ND	1.0	10/09/14 17:06	
Bromomethane	ug/L	ND	5.0	10/09/14 17:06	
Carbon tetrachloride	ug/L	ND	1.0	10/09/14 17:06	
Chloroethane	ug/L	ND	1.0	10/09/14 17:06	
Chloroform	ug/L	ND	1.0	10/09/14 17:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	N2
Ethylbenzene	ug/L	ND	1.0	10/09/14 17:06	
Methylene chloride	ug/L	ND	1.0	10/09/14 17:06	
Tetrachloroethene	ug/L	ND	1.0	10/09/14 17:06	
Toluene	ug/L	ND	1.0	10/09/14 17:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Trichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Vinyl chloride	ug/L	ND	1.0	10/09/14 17:06	
Xylene (Total)	ug/L	ND	3.0	10/09/14 17:06	N2
1,2-Dichloroethane-d4 (S)	%	102	80-120	10/09/14 17:06	
4-Bromofluorobenzene (S)	%	106	80-120	10/09/14 17:06	
Toluene-d8 (S)	%	98	80-120	10/09/14 17:06	

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	98	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.6	103	67-124	
1,2-Dichloroethane	ug/L	20	20.8	104	70-126	
1,4-Dichlorobenzene	ug/L	20	19.7	98	74-120	
2-Butanone (MEK)	ug/L	100	99.9	100	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	59-131	N2
Acetone	ug/L	100	103	103	38-134	N2
Benzene	ug/L	20	19.8	99	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.4	102	68-125	
Bromoform	ug/L	20	21.5	108	65-127	
Bromomethane	ug/L	20	26.0	130	13-157	
Carbon tetrachloride	ug/L	20	19.6	98	70-131	
Chloroethane	ug/L	20	22.1	110	47-133	
Chloroform	ug/L	20	19.5	98	65-127	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	68-127	N2
Ethylbenzene	ug/L	20	20.1	101	74-122	
Methylene chloride	ug/L	20	19.1	96	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	19.5	97	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	66-129	
Trichloroethene	ug/L	20	19.2	96	71-123	
Vinyl chloride	ug/L	20	24.3	121	43-129	
Xylene (Total)	ug/L	60	62.5	104	75-121	N2
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE SAMPLE: 1456629

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	4000	5230	131	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	4000	5290	132	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	4000	5140	129	52-143	
1,2-Dichloroethane	ug/L	ND	4000	4860	121	49-144	
1,4-Dichlorobenzene	ug/L	ND	4000	4990	123	33-140	
2-Butanone (MEK)	ug/L	15400	20000	35800	102	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20000	22600	112	40-160	N2
Acetone	ug/L	44300	20000	59100	74	10-160	N2
Benzene	ug/L	ND	4000	5130	126	37-151	
Bromodichloromethane	ug/L	ND	4000	5000	125	35-142	
Bromoform	ug/L	ND	4000	5310	133	45-142	
Bromomethane	ug/L	ND	4000	5780	145	10-158	
Carbon tetrachloride	ug/L	ND	4000	5530	138	70-140	
Chloroethane	ug/L	ND	4000	5070	127	19-152	
Chloroform	ug/L	ND	4000	4790	120	51-138	
cis-1,2-Dichloroethene	ug/L	ND	4000	4810	120	34-147	N2
Ethylbenzene	ug/L	ND	4000	5280	132	40-142	
Methylene chloride	ug/L	ND	4000	4710	116	31-144	
Tetrachloroethene	ug/L	ND	4000	5500	138	64-148	
Toluene	ug/L	ND	4000	5060	123	47-150	
trans-1,2-Dichloroethene	ug/L	ND	4000	5120	128	54-151	
Trichloroethene	ug/L	ND	4000	4980	124	71-149	
Vinyl chloride	ug/L	ND	4000	5660	142	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

MATRIX SPIKE SAMPLE: 1456629		60179403001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Xylene (Total)	ug/L	ND	12000	15800	132	37-144	N2
1,2-Dichloroethane-d4 (S)	%				94	80-120	
4-Bromofluorobenzene (S)	%				102	80-120	
Toluene-d8 (S)	%				97	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch:	OEXT/46449	Analysis Method:	EPA 625
QC Batch Method:	EPA 625	Analysis Description:	625 MSS
Associated Lab Samples:	60179403001		

METHOD BLANK: 1453478 Matrix: Water

Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/09/14 09:12	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/09/14 09:12	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/09/14 09:12	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/09/14 09:12	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/09/14 09:12	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/09/14 09:12	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/09/14 09:12	
Hexachloroethane	ug/L	ND	5.0	10/09/14 09:12	
Naphthalene	ug/L	ND	5.0	10/09/14 09:12	
Nitrobenzene	ug/L	ND	5.0	10/09/14 09:12	
Pentachlorophenol	ug/L	ND	5.0	10/09/14 09:12	
Phenol	ug/L	ND	5.0	10/09/14 09:12	
2,4,6-Tribromophenol (S)	%	82	39-120	10/09/14 09:12	
2-Fluorobiphenyl (S)	%	83	39-120	10/09/14 09:12	
2-Fluorophenol (S)	%	51	17-120	10/09/14 09:12	
Nitrobenzene-d5 (S)	%	86	33-120	10/09/14 09:12	
Phenol-d6 (S)	%	33	11-120	10/09/14 09:12	
Terphenyl-d14 (S)	%	88	45-120	10/09/14 09:12	

LABORATORY CONTROL SAMPLE: 1453479

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	40.8	82	46-120	
2,4,6-Trichlorophenol	ug/L	50	42.8	86	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	35.6	71	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	31.7	63	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	46.6	93	40-133	
Hexachloro-1,3-butadiene	ug/L	50	41.1	82	44-116	
Hexachlorocyclopentadiene	ug/L	100	38.6	39	24-120	
Hexachloroethane	ug/L	50	39.8	80	43-113	
Naphthalene	ug/L	50	42.4	85	48-120	
Nitrobenzene	ug/L	50	43.4	87	48-120	
Pentachlorophenol	ug/L	50	45.2	90	47-120	
Phenol	ug/L	50	15.5	31	16-112	
2,4,6-Tribromophenol (S)	%			84	39-120	
2-Fluorobiphenyl (S)	%			82	39-120	
2-Fluorophenol (S)	%			46	17-120	
Nitrobenzene-d5 (S)	%			84	33-120	
Phenol-d6 (S)	%			30	11-120	
Terphenyl-d14 (S)	%			89	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

MATRIX SPIKE SAMPLE:		1453480					
Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	4190	84	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4710	94	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	4140	83	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	3230	5000	7140	78	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	4890	98	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	4180	84	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	4410	44	11-120	
Hexachloroethane	ug/L	ND	5000	4050	81	40-113	
Naphthalene	ug/L	ND	5000	4240	85	45-120	
Nitrobenzene	ug/L	ND	5000	5060	101	38-120	
Pentachlorophenol	ug/L	ND	5000	5260	105	43-135	
Phenol	ug/L	4530	5000	7220	54	13-112	
2,4,6-Tribromophenol (S)	%				89	39-120	
2-Fluorobiphenyl (S)	%				85	39-120	
2-Fluorophenol (S)	%				52	17-120	
Nitrobenzene-d5 (S)	%				101	33-120	
Phenol-d6 (S)	%				36	11-120	
Terphenyl-d14 (S)	%				91	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch:	WET/50728	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60179403001		

METHOD BLANK: 1455594 Matrix: Water
Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/08/14 16:11	

LABORATORY CONTROL SAMPLE: 1455595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.4	98	78-114	

MATRIX SPIKE SAMPLE: 1455596

Parameter	Units	60179301004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	7.8	41.2	45.3	91	78-114	

SAMPLE DUPLICATE: 1455597

Parameter	Units	60179365001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	1.7J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch: WET/50729

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 SGT-HEM, TPH

Associated Lab Samples: 60179403001

METHOD BLANK: 1455600

Matrix: Water

Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/09/14 10:09	

LABORATORY CONTROL SAMPLE: 1455601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	22.8	114	64-132	

MATRIX SPIKE SAMPLE: 1455602

Parameter	Units	60179301004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	7.4	20.6	24.9	85	64-132	

SAMPLE DUPLICATE: 1455603

Parameter	Units	60179365001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.7J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch:	WET/50759	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60179403001		

METHOD BLANK: 1456061 Matrix: Water

Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/08/14 13:31	

SAMPLE DUPLICATE: 1456062

Parameter	Units	60179400002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch: WET/50689 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60179403001

SAMPLE DUPLICATE: 1454785

Parameter	Units	60179139001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch: WET/50670

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60179403001

METHOD BLANK: 1454095

Matrix: Water

Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/09/14 17:20	

LABORATORY CONTROL SAMPLE: 1454096

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	191	97	85-115	

SAMPLE DUPLICATE: 1454097

Parameter	Units	60179403001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	10300	9530	8	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch:	WETA/31233	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60179403001		

METHOD BLANK: 1454638 Matrix: Water
Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/05/14 14:16	

LABORATORY CONTROL SAMPLE: 1454639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	102	90-110	

MATRIX SPIKE SAMPLE: 1454640

Parameter	Units	60179177001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	2.2	105	90-110	

MATRIX SPIKE SAMPLE: 1454641

Parameter	Units	60179267001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	3.5	2	5.1	77	90-110	M1

SAMPLE DUPLICATE: 1454642

Parameter	Units	60179352001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

QC Batch:	WETA/31250	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60179403001		

METHOD BLANK: 1454906 Matrix: Water
Associated Lab Samples: 60179403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/08/14 10:33	

LABORATORY CONTROL SAMPLE: 1454907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	45.8	92	90-110	

MATRIX SPIKE SAMPLE: 1454909

Parameter	Units	60179337001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	16.8	50	68.8	104	90-110	

MATRIX SPIKE SAMPLE: 1454910

Parameter	Units	60179394001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	15.3	50	63.4	96	90-110	

SAMPLE DUPLICATE: 1454908

Parameter	Units	60179403001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	25100	24800	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-024

Pace Project No.: 60179403

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179403001	T1-024	EPA 200.7	MPRP/29194	EPA 200.7	ICP/21963
60179403001	T1-024	EPA 200.7	MPRP/29228	EPA 200.7	ICP/21984
60179403001	T1-024	EPA 245.1	MERP/8882	EPA 245.1	MERC/8838
60179403001	T1-024	EPA 245.1	MERP/8884	EPA 245.1	MERC/8839
60179403001	T1-024	EPA 625	OEXT/46449	EPA 625	MSSV/14950
60179403001	T1-024	EPA 624 Low	MSV/64947		
60179403002	TRIP BLANK	EPA 624 Low	MSV/64947		
60179403001	T1-024	EPA 1664A	WET/50728		
60179403001	T1-024	EPA 1664A	WET/50729		
60179403001	T1-024	SM 2540D	WET/50759		
60179403001	T1-024	SM 4500-H+B	WET/50689		
60179403001	T1-024	SM 5210B	WET/50670	SM 5210B	WET/50805
60179403001	T1-024	EPA 350.1	WETA/31233		
60179403001	T1-024	EPA 410.4	WETA/31250		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60179403
60179403

Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other Xroad

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other 2 PIC

Thermometer Used: T-239 T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 1.4

Date and initials of person examining contents: pv 6/13/14

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>BOD PH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>Added 2.5 ml of HNO3 to BP3N. 6.01.3.5</u> <u>Added 2.0 ml of H2SO4 to BP3S. 6.01.1.5</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: <u>VOA</u> , coliform, TOC, <u>C&G</u> , WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: <u>pv</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative: <u>12513</u> <u>12787</u>
Pace Trip Blank lot # (if purchased): <u>cover</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y N Field Data Required? Y N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: [Signature]

October 31, 2014

DEREK BOUCHARD
REPUBLIC SERVICES
13570 ST CHARLES ROCK RD
Bridgeton, MO 63044

RE: Project: BRIDGETON 4337
Pace Project No.: 60179410

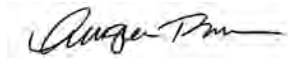
Dear DEREK BOUCHARD:

Enclosed are the analytical results for sample(s) received by the laboratory on October 03, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised report dated 10/31/2014. Please see Case Narrative.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: KEVIN KAMP, CEC



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON 4337

Pace Project No.: 60179410

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):

E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):

02006

Oklahoma Department of Environmental Quality: 2010-

139

Oregon Environmental Laboratory Accreditation:

LA200001

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-

00119

Washington Department of Ecology: C2078

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON 4337
Pace Project No.: 60179410

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179410001	SLUDGE TRUCK #5	Solid	10/02/14 13:00	10/03/14 01:50
60179410002	SLUDGE TRUCK #5	Solid	10/02/14 13:00	10/03/14 01:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON 4337

Pace Project No.: 60179410

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60179410001	SLUDGE TRUCK #5	EPA 8081A	SLF	9	PASI-N
		EPA 8151	SPP1	3	PASI-N
		EPA 6010	MHB1	1	PASI-N
		EPA 6010	TDS	7	PASI-K
		EPA 7470	ZBM	1	PASI-K
		EPA 8270	JMT	18	PASI-K
		ASTM D2974	DWC	1	PASI-K
		SM 2540G	MER	1	PASI-K
		SW-846 7.3.4.2	LJL	1	PASI-N
		EPA 9045	JMC1	1	PASI-K
		EPA 9095	AJM	1	PASI-K
		ASTM D92	JMC1	1	PASI-K
		EPA 300.0	OL	1	PASI-K
		SW-846 7.3.3.2	SMS2	1	PASI-N
		EPA 9023	JRP	1	PASI-N
		EPA 9065	SMS2	1	PASI-N
		60179410002	SLUDGE TRUCK #5	EPA 8082	JDH
EPA 8260	TJT			13	PASI-K
ASTM D2974	DWC			1	PASI-K

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: BRIDGETON 4337

Pace Project No.: 60179410

Date: October 31, 2014

Amended report revised 103114 for phenol analyses revision.

This report is re-submitted to correct a reporting error in the originally submitted report. Total Phenols was initially reported at 229 mg/kg for sample 6017941001 (Sludge Truck #5). The result has been corrected to ND with an adjusted reporting level of 6.2 mg/kg and a corrected dilution factor of 10. This dilution was necessary due to colorimetric matrix interference present in the neat analysis, causing the detector to appear saturated. Thus, a 10 fold dilution was necessary. The laboratory apologizes for any inconvenience this may have caused.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60179410

Sample: SLUDGE TRUCK #5 **Lab ID: 60179410001** Collected: 10/02/14 13:00 Received: 10/03/14 01:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 OCC Pesticide, TCLP SPE								
Analytical Method: EPA 8081A Preparation Method: EPA 3535								
Leachate Method/Date: EPA 1311; 10/06/14 16:30								
gamma-BHC (Lindane)	ND	mg/L	0.00050	1	10/07/14 15:19	10/14/14 20:01	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	10/07/14 15:19	10/14/14 20:01	57-74-9	
Endrin	ND	mg/L	0.0010	1	10/07/14 15:19	10/14/14 20:01	72-20-8	
Heptachlor	ND	mg/L	0.00050	1	10/07/14 15:19	10/14/14 20:01	76-44-8	
Heptachlor epoxide	ND	mg/L	0.00050	1	10/07/14 15:19	10/14/14 20:01	1024-57-3	
Methoxychlor	ND	mg/L	0.0050	1	10/07/14 15:19	10/14/14 20:01	72-43-5	
Toxaphene	ND	mg/L	0.020	1	10/07/14 15:19	10/14/14 20:01	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	67 %		10-119	1	10/07/14 15:19	10/14/14 20:01	877-09-8	
Tetrachloro-m-xylene (S)	71 %		10-119	1	10/07/14 15:19	10/14/14 20:01	877-09-8	
Decachlorobiphenyl (S)	102 %		14-126	1	10/07/14 15:19	10/14/14 20:01	2051-24-3	
Decachlorobiphenyl (S)	101 %		14-126	1	10/07/14 15:19	10/14/14 20:01	2051-24-3	
8151A CI Herbicides TCLP								
Analytical Method: EPA 8151 Preparation Method: EPA 3535A								
Leachate Method/Date: EPA 1311; 10/06/14 16:30								
2,4-D	ND	mg/L	0.020	1	10/07/14 15:17	10/10/14 06:18	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.020	1	10/07/14 15:17	10/10/14 06:18	93-72-1	
Surrogates								
2,4-DCAA (S)	72 %		10-166	1	10/07/14 15:17	10/10/14 06:18	19719-28-9	
2,4-DCAA (S)	70 %		10-166	1	10/07/14 15:17	10/10/14 06:18	19719-28-9	
6010 Metals, Total								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Sulfur	6100	mg/kg	39.3	1	10/13/14 11:20	10/14/14 11:56		
6010 MET ICP, TCLP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Leachate Method/Date: EPA 1311; 10/05/14 00:00								
Arsenic	ND	mg/L	0.50	1	10/07/14 11:30	10/07/14 16:29	7440-38-2	
Barium	ND	mg/L	2.5	1	10/07/14 11:30	10/07/14 16:29	7440-39-3	
Cadmium	ND	mg/L	0.050	1	10/07/14 11:30	10/07/14 16:29	7440-43-9	
Chromium	ND	mg/L	0.10	1	10/07/14 11:30	10/07/14 16:29	7440-47-3	
Lead	ND	mg/L	0.50	1	10/07/14 11:30	10/07/14 16:29	7439-92-1	
Selenium	ND	mg/L	0.50	1	10/07/14 11:30	10/07/14 16:29	7782-49-2	
Silver	ND	mg/L	0.10	1	10/07/14 11:30	10/07/14 16:29	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Leachate Method/Date: EPA 1311; 10/05/14 00:00								
Mercury	ND	mg/L	0.0020	1	10/07/14 17:10	10/08/14 12:12	7439-97-6	
8270 MSSV TCLP Sep Funnel								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Leachate Method/Date: EPA 1311; 10/05/14 00:00								
1,4-Dichlorobenzene	ND	ug/L	100	1	10/08/14 00:00	10/09/14 13:20	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	10/08/14 00:00	10/09/14 13:20	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	10/08/14 00:00	10/09/14 13:20	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	10/08/14 00:00	10/09/14 13:20	118-74-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60179410

Sample: SLUDGE TRUCK #5 **Lab ID: 60179410001** Collected: 10/02/14 13:00 Received: 10/03/14 01:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Leachate Method/Date: EPA 1311; 10/05/14 00:00						
Hexachloroethane	ND ug/L		100	1	10/08/14 00:00	10/09/14 13:20	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		100	1	10/08/14 00:00	10/09/14 13:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		200	1	10/08/14 00:00	10/09/14 13:20		
Nitrobenzene	ND ug/L		100	1	10/08/14 00:00	10/09/14 13:20	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/08/14 00:00	10/09/14 13:20	87-86-5	
Pyridine	ND ug/L		100	1	10/08/14 00:00	10/09/14 13:20	110-86-1	
2,4,5-Trichlorophenol	ND ug/L		500	1	10/08/14 00:00	10/09/14 13:20	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		100	1	10/08/14 00:00	10/09/14 13:20	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	80 %		44-120	1	10/08/14 00:00	10/09/14 13:20	4165-60-0	
2-Fluorobiphenyl (S)	79 %		49-120	1	10/08/14 00:00	10/09/14 13:20	321-60-8	
Terphenyl-d14 (S)	86 %		52-122	1	10/08/14 00:00	10/09/14 13:20	1718-51-0	
Phenol-d6 (S)	70 %		36-120	1	10/08/14 00:00	10/09/14 13:20	13127-88-3	
2-Fluorophenol (S)	70 %		37-120	1	10/08/14 00:00	10/09/14 13:20	367-12-4	
2,4,6-Tribromophenol (S)	84 %		36-128	1	10/08/14 00:00	10/09/14 13:20	118-79-6	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	77.3 %		0.50	1		10/06/14 00:00		
2540G Total Percent Solids		Analytical Method: SM 2540G						
Total Solids	23.3 %		0.10	1		10/09/14 10:40		
Reactive Sulfide		Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2						
Sulfide, Reactive	ND mg/kg		50.0	1	10/06/14 10:05	10/06/14 13:46		
9045 pH Soil		Analytical Method: EPA 9045						
pH at 25 Degrees C	7.7 Std. Units		0.10	1		10/10/14 12:45		H1
9095 Paint Filter Liquid Test		Analytical Method: EPA 9095						
Free Liquids	negative			1		10/08/14 11:45		
Flashpoint, Open Cup		Analytical Method: ASTM D92						
Flashpoint	>210 deg F			1		10/10/14 15:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Sulfate	1280 mg/kg		439	10	10/03/14 14:00	10/03/14 19:09	14808-79-8	
733C S Reactive Cyanide		Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2						
Cyanide, Reactive	ND mg/kg		25.0	1	10/06/14 10:04	10/06/14 13:52		
9023 Ext. Organic Halides EOX		Analytical Method: EPA 9023 Preparation Method: EPA 9023						
Extractable Organic Halogens	ND mg/kg		210	1	10/15/14 02:30	10/15/14 16:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60179410

Sample: SLUDGE TRUCK #5 **Lab ID: 60179410001** Collected: 10/02/14 13:00 Received: 10/03/14 01:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9065 Phenolics, Total		Analytical Method: EPA 9065 Preparation Method: EPA 9065						
Phenolics, Total Recoverable	ND	mg/kg	6.2	10	10/15/14 10:00	10/15/14 14:31		D3,M6

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60179410

Sample: SLUDGE TRUCK #5 **Lab ID: 60179410002** Collected: 10/02/14 13:00 Received: 10/03/14 01:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND	ug/kg	791	1	10/03/14 00:00	10/08/14 10:30	12674-11-2	CU
PCB-1221 (Aroclor 1221)	ND	ug/kg	1580	1	10/03/14 00:00	10/08/14 10:30	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	791	1	10/03/14 00:00	10/08/14 10:30	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	791	1	10/03/14 00:00	10/08/14 10:30	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	791	1	10/03/14 00:00	10/08/14 10:30	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	791	1	10/03/14 00:00	10/08/14 10:30	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	791	1	10/03/14 00:00	10/08/14 10:30	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	83 %		38-119	1	10/03/14 00:00	10/08/14 10:30	2051-24-3	
8260 MSV TCLP		Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 10/05/14 00:00						
Benzene	ND	ug/L	50.0	1		10/08/14 12:38	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000	1		10/08/14 12:38	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	1		10/08/14 12:38	56-23-5	
Chlorobenzene	ND	ug/L	50.0	1		10/08/14 12:38	108-90-7	
Chloroform	ND	ug/L	200	1		10/08/14 12:38	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	1		10/08/14 12:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	1		10/08/14 12:38	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	1		10/08/14 12:38	127-18-4	
Trichloroethene	ND	ug/L	50.0	1		10/08/14 12:38	79-01-6	
Vinyl chloride	ND	ug/L	20.0	1		10/08/14 12:38	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	101 %		80-120	1		10/08/14 12:38	17060-07-0	
Toluene-d8 (S)	101 %		80-120	1		10/08/14 12:38	2037-26-5	
4-Bromofluorobenzene (S)	99 %		80-120	1		10/08/14 12:38	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	77.2 %		0.50	1		10/06/14 00:00		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch: MERP/8880

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury TCLP

Associated Lab Samples: 60179410001

METHOD BLANK: 1455385

Matrix: Water

Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.0020	10/08/14 12:08	

LABORATORY CONTROL SAMPLE: 1455386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.005	0.0049	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455387 1455388

Parameter	Units	60179410001		MS		MSD		% Rec		Max		Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Mercury	mg/L	ND	.015	.015	.015	0.013	0.014	86	93	75-125	8	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch: MPRP/1848

Analysis Method: EPA 6010

QC Batch Method: EPA 3050

Analysis Description: 6010 MET

Associated Lab Samples: 60179410001

METHOD BLANK: 60902

Matrix: Solid

Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfur	mg/kg	ND	10.0	10/14/14 11:35	

LABORATORY CONTROL SAMPLE: 60903

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfur	mg/kg	1000	842	84	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 60904

60905

Parameter	Units	2010691004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfur	mg/kg	ND	781	769	644	633	82	82	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337
Pace Project No.: 60179410

QC Batch: MPRP/29202 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 60179410001

METHOD BLANK: 1455343 Matrix: Water
Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.50	10/07/14 16:24	
Barium	mg/L	ND	2.5	10/07/14 16:24	
Cadmium	mg/L	ND	0.050	10/07/14 16:24	
Chromium	mg/L	ND	0.10	10/07/14 16:24	
Lead	mg/L	ND	0.50	10/07/14 16:24	
Selenium	mg/L	ND	0.50	10/07/14 16:24	
Silver	mg/L	ND	0.10	10/07/14 16:24	

LABORATORY CONTROL SAMPLE: 1455344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	0.93	93	80-120	
Barium	mg/L	1	0.93	93	80-120	
Cadmium	mg/L	1	0.94	94	80-120	
Chromium	mg/L	1	0.94	94	80-120	
Lead	mg/L	1	0.95	95	80-120	
Selenium	mg/L	1	0.89	89	80-120	
Silver	mg/L	.5	0.46	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455345 1455346

Parameter	Units	60179410001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	MSD Result						
Arsenic	mg/L	ND	10	10	9.1	9.1	91	91	75-125	1	20	
Barium	mg/L	ND	10	10	9.0	9.0	89	89	75-125	1	20	
Cadmium	mg/L	ND	10	10	9.1	9.1	91	91	75-125	0	20	
Chromium	mg/L	ND	10	10	9.0	9.0	90	90	75-125	0	20	
Lead	mg/L	ND	10	10	9.1	9.1	91	91	75-125	0	20	
Selenium	mg/L	ND	10	10	8.8	8.9	88	89	75-125	1	20	
Silver	mg/L	ND	5	5	4.5	4.5	90	91	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337
Pace Project No.: 60179410

QC Batch: MSV/64910 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 60179410002

METHOD BLANK: 1455836 Matrix: Water
Associated Lab Samples: 60179410002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	10/08/14 11:04	
1,2-Dichloroethane	ug/L	ND	50.0	10/08/14 11:04	
2-Butanone (MEK)	ug/L	ND	1000	10/08/14 11:04	
Benzene	ug/L	ND	50.0	10/08/14 11:04	
Carbon tetrachloride	ug/L	ND	50.0	10/08/14 11:04	
Chlorobenzene	ug/L	ND	50.0	10/08/14 11:04	
Chloroform	ug/L	ND	200	10/08/14 11:04	
Tetrachloroethene	ug/L	ND	50.0	10/08/14 11:04	
Trichloroethene	ug/L	ND	50.0	10/08/14 11:04	
Vinyl chloride	ug/L	ND	20.0	10/08/14 11:04	
1,2-Dichloroethane-d4 (S)	%	100	80-120	10/08/14 11:04	
4-Bromofluorobenzene (S)	%	99	80-120	10/08/14 11:04	
Toluene-d8 (S)	%	101	80-120	10/08/14 11:04	

LABORATORY CONTROL SAMPLE: 1455837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	1000	1100	110	78-126	
1,2-Dichloroethane	ug/L	1000	979	98	77-123	
2-Butanone (MEK)	ug/L	5000	4370	87	52-145	
Benzene	ug/L	1000	1030	103	80-120	
Carbon tetrachloride	ug/L	1000	1150	115	78-128	
Chlorobenzene	ug/L	1000	1020	102	80-120	
Chloroform	ug/L	1000	1010	101	79-120	
Tetrachloroethene	ug/L	1000	1090	109	80-121	
Trichloroethene	ug/L	1000	1020	102	80-120	
Vinyl chloride	ug/L	1000	1070	107	59-120	
1,2-Dichloroethane-d4 (S)	%			98	80-120	
4-Bromofluorobenzene (S)	%			102	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1455838

Parameter	Units	60179520001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	1000	1050	105	60-144	
1,2-Dichloroethane	ug/L	ND	1000	961	96	49-148	
2-Butanone (MEK)	ug/L	ND	5000	4280	86	36-145	
Benzene	ug/L	ND	1000	982	98	37-157	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

MATRIX SPIKE SAMPLE:		1455838	60179520001		Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers		
Carbon tetrachloride	ug/L	ND	1000	1100	110	68-142			
Chlorobenzene	ug/L	ND	1000	992	99	66-133			
Chloroform	ug/L	ND	1000	1000	100	66-127			
Tetrachloroethene	ug/L	ND	1000	1070	107	69-133			
Trichloroethene	ug/L	ND	1000	968	97	61-135			
Vinyl chloride	ug/L	ND	1000	1050	105	44-128			
1,2-Dichloroethane-d4 (S)	%				96	80-120			
4-Bromofluorobenzene (S)	%				102	80-120			
Toluene-d8 (S)	%				100	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch:	OEXT/3009	Analysis Method:	EPA 8081A
QC Batch Method:	EPA 3535	Analysis Description:	8081A GCS TCLP Pesticides
Associated Lab Samples:	60179410001		

METHOD BLANK: 58727 Matrix: Water

Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	10/14/14 20:29	
Endrin	mg/L	ND	0.0010	10/14/14 20:29	
gamma-BHC (Lindane)	mg/L	ND	0.00050	10/14/14 20:29	
Heptachlor	mg/L	ND	0.00050	10/14/14 20:29	
Heptachlor epoxide	mg/L	ND	0.00050	10/14/14 20:29	
Methoxychlor	mg/L	ND	0.0050	10/14/14 20:29	
Toxaphene	mg/L	ND	0.020	10/14/14 20:29	
Decachlorobiphenyl (S)	%	87	14-126	10/14/14 20:29	
Decachlorobiphenyl (S)	%	89	14-126	10/14/14 20:29	
Tetrachloro-m-xylene (S)	%	49	10-119	10/14/14 20:29	
Tetrachloro-m-xylene (S)	%	51	10-119	10/14/14 20:29	

LABORATORY CONTROL SAMPLE: 58984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	.005	0.0048	96	20-153	
gamma-BHC (Lindane)	mg/L	.005	0.0045	90	28-128	
Heptachlor	mg/L	.005	0.0030	60	10-115	
Heptachlor epoxide	mg/L	.005	0.0043	86	30-119	
Methoxychlor	mg/L	.005	.0046J	93	21-150	
Decachlorobiphenyl (S)	%			103	14-126	
Tetrachloro-m-xylene (S)	%			67	10-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 58985 58986

Parameter	Units	60179410001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result						MSD Result
Endrin	mg/L	ND	.005	.005	.005	0.0046	0.0042	92	84	22-160	9	20
gamma-BHC (Lindane)	mg/L	ND	.005	.005	.005	0.0043	0.0039	86	78	17-149	10	20
Heptachlor	mg/L	ND	.005	.005	.005	0.0025	0.0022	50	43	10-134	14	20
Heptachlor epoxide	mg/L	ND	.005	.005	.005	0.0041	0.0038	83	76	13-147	9	20
Methoxychlor	mg/L	ND	.005	.005	.005	.0047J	.0044J	93	87	17-166		20
Decachlorobiphenyl (S)	%							100	92	14-126		
Decachlorobiphenyl (S)	%							101	93	14-126		
Tetrachloro-m-xylene (S)	%							65	61	10-119		
Tetrachloro-m-xylene (S)	%							69	59	10-119		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337
Pace Project No.: 60179410

QC Batch: OEXT/46446 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 60179410002

METHOD BLANK: 1453470 Matrix: Solid
Associated Lab Samples: 60179410002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.7	10/07/14 00:01	
PCB-1221 (Aroclor 1221)	ug/kg	ND	65.4	10/07/14 00:01	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.7	10/07/14 00:01	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.7	10/07/14 00:01	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.7	10/07/14 00:01	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.7	10/07/14 00:01	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.7	10/07/14 00:01	
Decachlorobiphenyl (S)	%	91	38-119	10/07/14 00:01	

LABORATORY CONTROL SAMPLE: 1453471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	166	152	92	71-122	
PCB-1260 (Aroclor 1260)	ug/kg	166	148	89	75-117	
Decachlorobiphenyl (S)	%			88	38-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1453472 1453473

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result								
PCB-1016 (Aroclor 1016)	ug/kg	<34.6	175	177	196	185	112	104	20-160	6	35	CH	
PCB-1260 (Aroclor 1260)	ug/kg	<34.6	175	177	172	170	98	96	17-160	2	34		
Decachlorobiphenyl (S)	%						90	83	38-119				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch:	OEXT/3008	Analysis Method:	EPA 8151
QC Batch Method:	EPA 3535A	Analysis Description:	8151 GCS TCLP Herbicides
Associated Lab Samples:	60179410001		

METHOD BLANK: 58727 Matrix: Water

Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.020	10/10/14 05:45	
2,4-D	mg/L	ND	0.020	10/10/14 05:45	
2,4-DCAA (S)	%.	76	10-166	10/10/14 05:45	
2,4-DCAA (S)	%.	80	10-166	10/10/14 05:45	

LABORATORY CONTROL SAMPLE: 58980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.04	0.030	75	22-158	
2,4-D	mg/L	.04	0.030	74	10-151	
2,4-DCAA (S)	%.			78	10-166	
2,4-DCAA (S)	%.			73	10-166	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 58981 58982

Parameter	Units	60179410001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
			Spike Conc.	MS Result	MSD Spike Conc.	MSD Result					
2,4,5-TP (Silvex)	mg/L	ND	.04	0.028	.04	0.026	70	66	16-164	7	20
2,4-D	mg/L	ND	.04	0.028	.04	0.026	69	64	10-160	8	20
2,4-DCAA (S)	%.						77	69	10-166		
2,4-DCAA (S)	%.						75	67	10-166		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch: OEXT/46549

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 TCLP MSSV

Associated Lab Samples: 60179410001

METHOD BLANK: 1456130

Matrix: Water

Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	10/09/14 12:18	
2,4,5-Trichlorophenol	ug/L	ND	500	10/09/14 12:18	
2,4,6-Trichlorophenol	ug/L	ND	100	10/09/14 12:18	
2,4-Dinitrotoluene	ug/L	ND	100	10/09/14 12:18	
2-Methylphenol(o-Cresol)	ug/L	ND	100	10/09/14 12:18	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	10/09/14 12:18	
Hexachloro-1,3-butadiene	ug/L	ND	100	10/09/14 12:18	
Hexachlorobenzene	ug/L	ND	100	10/09/14 12:18	
Hexachloroethane	ug/L	ND	100	10/09/14 12:18	
Nitrobenzene	ug/L	ND	100	10/09/14 12:18	
Pentachlorophenol	ug/L	ND	500	10/09/14 12:18	
Pyridine	ug/L	ND	100	10/09/14 12:18	
2,4,6-Tribromophenol (S)	%	75	36-128	10/09/14 12:18	
2-Fluorobiphenyl (S)	%	75	49-120	10/09/14 12:18	
2-Fluorophenol (S)	%	67	37-120	10/09/14 12:18	
Nitrobenzene-d5 (S)	%	74	44-120	10/09/14 12:18	
Phenol-d6 (S)	%	66	36-120	10/09/14 12:18	
Terphenyl-d14 (S)	%	80	52-122	10/09/14 12:18	

LABORATORY CONTROL SAMPLE: 1456131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	410	82	47-120	
2,4,5-Trichlorophenol	ug/L	500	479J	96	51-124	
2,4,6-Trichlorophenol	ug/L	500	467	93	46-120	
2,4-Dinitrotoluene	ug/L	500	381	76	38-120	
2-Methylphenol(o-Cresol)	ug/L	500	426	85	46-120	
3&4-Methylphenol(m&p Cresol)	ug/L	1000	842	84	41-120	
Hexachloro-1,3-butadiene	ug/L	500	406	81	49-120	
Hexachlorobenzene	ug/L	500	435	87	50-120	
Hexachloroethane	ug/L	500	381	76	38-120	
Nitrobenzene	ug/L	500	412	82	49-120	
Pentachlorophenol	ug/L	500	522	104	35-125	
Pyridine	ug/L	500	192	38	10-120	
2,4,6-Tribromophenol (S)	%			88	36-128	
2-Fluorobiphenyl (S)	%			86	49-120	
2-Fluorophenol (S)	%			75	37-120	
Nitrobenzene-d5 (S)	%			85	44-120	
Phenol-d6 (S)	%			76	36-120	
Terphenyl-d14 (S)	%			94	52-122	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

MATRIX SPIKE SAMPLE:	1456132	60179410001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	500	406	81	48-120	
2,4,5-Trichlorophenol	ug/L	ND	500	486J	97	57-120	
2,4,6-Trichlorophenol	ug/L	ND	500	471	94	48-120	
2,4-Dinitrotoluene	ug/L	ND	500	375	75	38-120	
2-Methylphenol(o-Cresol)	ug/L	ND	500	421	84	48-120	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	1000	848	85	47-120	
Hexachloro-1,3-butadiene	ug/L	ND	500	398	80	49-120	
Hexachlorobenzene	ug/L	ND	500	398	80	53-120	
Hexachloroethane	ug/L	ND	500	368	74	38-120	
Nitrobenzene	ug/L	ND	500	408	82	51-120	
Pentachlorophenol	ug/L	ND	500	480J	96	34-131	
Pyridine	ug/L	ND	500	230	46	10-120	
2,4,6-Tribromophenol (S)	%				84	36-128	
2-Fluorobiphenyl (S)	%				82	49-120	
2-Fluorophenol (S)	%				75	37-120	
Nitrobenzene-d5 (S)	%				84	44-120	
Phenol-d6 (S)	%				75	36-120	
Terphenyl-d14 (S)	%				92	52-122	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch: PMST/10083

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 60179410001, 60179410002

METHOD BLANK: 1454904

Matrix: Solid

Associated Lab Samples: 60179410001, 60179410002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	10/06/14 00:00	

SAMPLE DUPLICATE: 1454905

Parameter	Units	60179209006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.9	13.7	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch: WET/50749

Analysis Method: SM 2540G

QC Batch Method: SM 2540G

Analysis Description: 2540G Total Solids

Associated Lab Samples: 60179410001

METHOD BLANK: 1455851

Matrix: Solid

Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	10/09/14 10:40	

SAMPLE DUPLICATE: 1455847

Parameter	Units	60179194008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	2.2	2.2	2	8	H1

SAMPLE DUPLICATE: 1455848

Parameter	Units	60179407001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	5.7	5.7	0	8	H1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch:	WET/3758	Analysis Method:	SW-846 7.3.4.2
QC Batch Method:	SW-846 7.3.4.2	Analysis Description:	Reactive Sulfide
Associated Lab Samples:	60179410001		

METHOD BLANK: 58556 Matrix: Solid
Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	ND	50.0	10/06/14 13:46	

LABORATORY CONTROL SAMPLE: 58557

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	500	441	88	1-110	

MATRIX SPIKE SAMPLE: 58597

Parameter	Units	2010352001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	ND	500	441	84	1-110	

SAMPLE DUPLICATE: 58596

Parameter	Units	2010352001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch: WET/50814

Analysis Method: EPA 9045

QC Batch Method: EPA 9045

Analysis Description: 9045 pH

Associated Lab Samples: 60179410001

SAMPLE DUPLICATE: 1457324

Parameter	Units	60179410001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.8	1	3	H1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch: WET/50742

Analysis Method: EPA 9095

QC Batch Method: EPA 9095

Analysis Description: 9095 PAINT FILTER LIQUID TEST

Associated Lab Samples: 60179410001

SAMPLE DUPLICATE: 1455770

Parameter	Units	60179410001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids		negative	negative			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch: WETA/31217

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Associated Lab Samples: 60179410001

METHOD BLANK: 1453660

Matrix: Solid

Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/kg	ND	99.5	10/03/14 17:44	

LABORATORY CONTROL SAMPLE: 1453661

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/kg	500	468	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1453662 1453663

Parameter	Units	92219358001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Sulfate	mg/kg	ND	531	533	540	536	82	81	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch:	WETA/3282	Analysis Method:	SW-846 7.3.3.2
QC Batch Method:	SW-846 7.3.3.2	Analysis Description:	733C Reactive Cyanide
Associated Lab Samples:	60179410001		

METHOD BLANK: 58550 Matrix: Solid

Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	ND	25.0	10/06/14 13:52	

LABORATORY CONTROL SAMPLE: 58551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	100	ND	4	1-110	

MATRIX SPIKE SAMPLE: 58599

Parameter	Units	2010352001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	ND	100	ND	3	1-110	

SAMPLE DUPLICATE: 58598

Parameter	Units	2010352001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch: WETA/3415

Analysis Method: EPA 9023

QC Batch Method: EPA 9023

Analysis Description: 9023 Extractable Organic Halides EOX

Associated Lab Samples: 60179410001

METHOD BLANK: 61933

Matrix: Solid

Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Extractable Organic Halogens	mg/kg	ND	49.3	10/15/14 15:54	

LABORATORY CONTROL SAMPLE: 61934

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Extractable Organic Halogens	mg/kg	1040	1130	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 61935

61936

Parameter	Units	60179410001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Extractable Organic Halogens	mg/kg	ND	4300	4300	4890	5020	112	115	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179410

QC Batch:	WETA/3407	Analysis Method:	EPA 9065
QC Batch Method:	EPA 9065	Analysis Description:	9065 Phenolics
Associated Lab Samples:	60179410001		

METHOD BLANK: 61738 Matrix: Solid
Associated Lab Samples: 60179410001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/kg	ND	0.15	10/15/14 13:30	

LABORATORY CONTROL SAMPLE: 61739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/kg	2.5	3.0	120	80-120	

MATRIX SPIKE SAMPLE: 61741

Parameter	Units	60179410001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/kg	ND	10.1	ND	0	75-125	M6

SAMPLE DUPLICATE: 61740

Parameter	Units	60179410001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phenolics, Total Recoverable	mg/kg	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON 4337

Pace Project No.: 60179410

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-K Pace Analytical Services - Kansas City

PASI-N Pace Analytical Services - New Orleans

ANALYTE QUALIFIERS

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

CU The continuing calibration for this compound is outside of Pace Analytical acceptance limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

H1 Analysis conducted outside the EPA method holding time.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON 4337

Pace Project No.: 60179410

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179410001	SLUDGE TRUCK #5	EPA 3535	OEXT/3009	EPA 8081A	GCSV/2564
60179410002	SLUDGE TRUCK #5	EPA 3546	OEXT/46446	EPA 8082	GCSV/17723
60179410001	SLUDGE TRUCK #5	EPA 3535A	OEXT/3008	EPA 8151	GCSV/2523
60179410001	SLUDGE TRUCK #5	EPA 3050	MPRP/1848	EPA 6010	ICP/1807
60179410001	SLUDGE TRUCK #5	EPA 3010	MPRP/29202	EPA 6010	ICP/21969
60179410001	SLUDGE TRUCK #5	EPA 7470	MERP/8880	EPA 7470	MERC/8834
60179410001	SLUDGE TRUCK #5	EPA 3510	OEXT/46549	EPA 8270	MSSV/14949
60179410002	SLUDGE TRUCK #5	EPA 8260	MSV/64910		
60179410001	SLUDGE TRUCK #5	ASTM D2974	PMST/10083		
60179410002	SLUDGE TRUCK #5	ASTM D2974	PMST/10083		
60179410001	SLUDGE TRUCK #5	SM 2540G	WET/50749		
60179410001	SLUDGE TRUCK #5	SW-846 7.3.4.2	WET/3758	SW-846 7.3.4.2	WET/3762
60179410001	SLUDGE TRUCK #5	EPA 9045	WET/50814		
60179410001	SLUDGE TRUCK #5	EPA 9095	WET/50742		
60179410001	SLUDGE TRUCK #5	ASTM D92	WET/50812		
60179410001	SLUDGE TRUCK #5	EPA 300.0	WETA/31217	EPA 300.0	WETA/31218
60179410001	SLUDGE TRUCK #5	SW-846 7.3.3.2	WETA/3282	SW-846 7.3.3.2	WETA/3292
60179410001	SLUDGE TRUCK #5	EPA 9023	WETA/3415	EPA 9023	WETA/3433
60179410001	SLUDGE TRUCK #5	EPA 9065	WETA/3407	EPA 9065	WETA/3424

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60179410



60179410

Client Name: Republic Service

Courier: Fed Ex [] UPS [] USPS [] Client [] Commercial [] Pace [] Other [x] Xroad

Tracking #: _____ Pace Shipping Label Used? Yes [] No [x]

Custody Seal on Cooler/Box Present: Yes [x] No [] Seals intact: Yes [x] No []

Packing Material: Bubble Wrap [] Bubble Bags [x] Foam [] None [] Other [x] 2PIC

Thermometer Used: T-239 / T-194 Type of Ice: Wet [x] Blue [] None [] Samples received on ice, cooling process has begun.

Cooler Temperature: 4.8

Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: pv 10/3/14

Table with 17 rows and 2 columns. Row 1: Chain of Custody present: [x] Yes [] No [] N/A. Row 2: Chain of Custody filled out: [x] Yes [] No [] N/A. Row 3: Chain of Custody relinquished: [x] Yes [] No [] N/A. Row 4: Sampler name & signature on COC: [x] Yes [] No [] N/A. Row 5: Samples arrived within holding time: [x] Yes [] No [] N/A. Row 6: Short Hold Time analyses (<72hr): [] Yes [x] No [] N/A. Row 7: Rush Turn Around Time requested: pv 10/3/14 [x] Yes [] No [] N/A. Row 8: Sufficient volume: [x] Yes [] No [] N/A. Row 9: Correct containers used: [x] Yes [] No [] N/A. Row 10: Pace containers used: [x] Yes [] No [] N/A. Row 11: Containers intact: [x] Yes [] No [] N/A. Row 12: Unpreserved 5035A soils frozen w/in 48hrs? [] Yes [] No [x] N/A. Row 13: Filtered volume received for dissolved tests? [] Yes [] No [x] N/A. Row 14: Sample labels match COC: [x] Yes [] No [] N/A. Row 15: Includes date/time/ID/analyses Matrix: sl. Row 16: All containers needing preservation have been checked. [] Yes [] No [x] N/A. Row 17: All containers needing preservation are found to be in compliance with EPA recommendation. [] Yes [] No [x] N/A. Row 18: Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics. [] Yes [x] No. Row 19: Trip Blank present: [] Yes [] No [x] N/A. Row 20: Pace Trip Blank lot # (if purchased):. Row 21: Headspace in VOA vials (>6mm): [] Yes [] No [x] N/A. Row 22: Project sampled in USDA Regulated Area: [] Yes [x] No [] N/A. Row 23: List State: MO.

Client Notification/ Resolution: Copy COC to Client? Y [] N [x] Field Data Required? Y [] N [x]

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 10/2/14

WO#: 2010401

PM: KHB Due Date: 10/13/14

CLIENT: PASI-KANS PASI - Kansas



Sample Con

1000 Riverbend Blvd., Suite F
St. Rose, LA 70087

Project #: 20

Courier: Pace Courier Hired Courier Fed X UPS DHL USPS Customer Other

Custody Seal on Cooler/Box Present: [see COC]

Custody Seals intact: Yes No

Thermometer Used: Therm Fisher IR 5
 Therm Fisher IR 6
 Therm Fisher IR 7

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Date and Initials of person examining contents: 10-4-14 JMS

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Temp must be measured from Temperature blank when present

Comments:

Temperature Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1	
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2	
Chain of Custody Complete:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4	
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8	8 oz jars
Filtered vol. Rec. for Diss. tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10	
All containers received within manufacture's precautionary and/or expiration dates.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11	
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13	If No, was preservative added? <input type="checkbox"/> Yes <input type="checkbox"/> No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

October 13, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

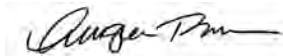
RE: Project: BRIDGETON LF T1-025
Pace Project No.: 60179523

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 04, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179523001	T1-025	Water	10/03/14 07:15	10/04/14 02:00
60179523002	TRIP BLANK	Water	10/03/14 00:00	10/04/14 02:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60179523001	T1-025	EPA 200.7	TDS	15
		EPA 200.7	JGP	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	JML	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60179523002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

Date: October 13, 2014

The sample volume received for volatile analysis for leachate sample T1-025 contained head space presence greater than 6mm. Per historical instructions, the analysis is completed and the presence noted.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

Sample: T1-025	Lab ID: 60179523001	Collected: 10/03/14 07:15	Received: 10/04/14 02:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	3920 ug/L		375	1	10/07/14 09:20	10/07/14 15:48	7429-90-5	
Antimony	ND ug/L		50.0	1	10/07/14 09:20	10/07/14 15:48	7440-36-0	
Arsenic	627 ug/L		50.0	1	10/07/14 09:20	10/07/14 15:48	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/07/14 09:20	10/07/14 15:48	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/07/14 09:20	10/07/14 15:48	7440-43-9	
Chromium	180 ug/L		25.0	1	10/07/14 09:20	10/07/14 15:48	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/07/14 09:20	10/07/14 15:48	7440-48-4	
Copper	55.4 ug/L		50.0	1	10/07/14 09:20	10/07/14 15:48	7440-50-8	
Iron	393000 ug/L		250	1	10/07/14 09:20	10/07/14 15:48	7439-89-6	
Lead	70.0 ug/L		25.0	1	10/07/14 09:20	10/07/14 15:48	7439-92-1	
Nickel	94.8 ug/L		25.0	1	10/07/14 09:20	10/07/14 15:48	7440-02-0	
Selenium	ND ug/L		75.0	1	10/07/14 09:20	10/07/14 15:48	7782-49-2	
Silver	ND ug/L		35.0	1	10/07/14 09:20	10/07/14 15:48	7440-22-4	
Thallium	ND ug/L		100	1	10/07/14 09:20	10/07/14 15:48	7440-28-0	
Zinc	5340 ug/L		250	1	10/07/14 09:20	10/07/14 15:48	7440-66-6	
200.7 Metals, Dissolved (LF)								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum, Dissolved	385 ug/L		375	1	10/08/14 14:15	10/09/14 10:13	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/08/14 14:15	10/09/14 10:13	7440-36-0	
Arsenic, Dissolved	354 ug/L		50.0	1	10/08/14 14:15	10/09/14 10:13	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/08/14 14:15	10/09/14 10:13	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:13	7440-43-9	
Chromium, Dissolved	82.0 ug/L		25.0	1	10/08/14 14:15	10/09/14 10:13	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:13	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/08/14 14:15	10/09/14 10:13	7440-50-8	
Iron, Dissolved	73000 ug/L		250	1	10/08/14 14:15	10/09/14 10:13	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:13	7439-92-1	
Nickel, Dissolved	56.6 ug/L		25.0	1	10/08/14 14:15	10/09/14 10:13	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/08/14 14:15	10/09/14 10:13	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/08/14 14:15	10/09/14 10:13	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/08/14 14:15	10/09/14 10:13	7440-28-0	
Zinc, Dissolved	1230 ug/L		250	1	10/08/14 14:15	10/09/14 10:13	7440-66-6	
245.1 Mercury								
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND ug/L		6.0	1	10/08/14 16:20	10/09/14 14:53	7439-97-6	
245.1 Mercury, Dissolved (LF)								
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury, Dissolved	ND ug/L		6.0	1	10/09/14 09:05	10/09/14 15:27	7439-97-6	
625 MSSV								
Analytical Method: EPA 625 Preparation Method: EPA 625								
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/09/14 00:00	10/10/14 10:05	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:05	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:05	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:05	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/09/14 00:00	10/10/14 10:05	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	3780 ug/L		2000	1	10/09/14 00:00	10/10/14 10:05		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

Sample: T1-025		Lab ID: 60179523001	Collected: 10/03/14 07:15	Received: 10/04/14 02:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:05	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:05	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:05	87-86-5	
Phenol	4890 ug/L		500	1	10/09/14 00:00	10/10/14 10:05	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:05	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:05	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	97 %		33-120	1	10/09/14 00:00	10/10/14 10:05	4165-60-0	
2-Fluorobiphenyl (S)	85 %		39-120	1	10/09/14 00:00	10/10/14 10:05	321-60-8	
Terphenyl-d14 (S)	89 %		45-120	1	10/09/14 00:00	10/10/14 10:05	1718-51-0	
Phenol-d6 (S)	30 %		11-120	1	10/09/14 00:00	10/10/14 10:05	13127-88-3	
2-Fluorophenol (S)	48 %		17-120	1	10/09/14 00:00	10/10/14 10:05	367-12-4	
2,4,6-Tribromophenol (S)	94 %		39-120	1	10/09/14 00:00	10/10/14 10:05	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	84800 ug/L		1000	100		10/09/14 18:45	67-64-1	N2
Benzene	ND ug/L		100	100		10/09/14 18:45	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/09/14 18:45	75-27-4	
Bromoform	ND ug/L		100	100		10/09/14 18:45	75-25-2	
Bromomethane	ND ug/L		500	100		10/09/14 18:45	74-83-9	
2-Butanone (MEK)	33300 ug/L		1000	100		10/09/14 18:45	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/09/14 18:45	56-23-5	
Chloroethane	ND ug/L		100	100		10/09/14 18:45	75-00-3	
Chloroform	ND ug/L		100	100		10/09/14 18:45	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/09/14 18:45	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/09/14 18:45	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/09/14 18:45	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/09/14 18:45	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/09/14 18:45	100-41-4	
Methylene chloride	ND ug/L		100	100		10/09/14 18:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/09/14 18:45	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/09/14 18:45	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/09/14 18:45	127-18-4	
Toluene	ND ug/L		100	100		10/09/14 18:45	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/09/14 18:45	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/09/14 18:45	79-00-5	
Trichloroethene	ND ug/L		100	100		10/09/14 18:45	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/09/14 18:45	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/09/14 18:45	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	102 %		80-120	100		10/09/14 18:45	460-00-4	HS
Toluene-d8 (S)	101 %		80-120	100		10/09/14 18:45	2037-26-5	
1,2-Dichloroethane-d4 (S)	103 %		80-120	100		10/09/14 18:45	17060-07-0	
Preservation pH	6.0		1.0	100		10/09/14 18:45		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	147 mg/L		5.0	1		10/08/14 16:13		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

Sample: T1-025		Lab ID: 60179523001	Collected: 10/03/14 07:15	Received: 10/04/14 02:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	47.1	mg/L	5.0	1		10/09/14 10:10		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	2240	mg/L	5.0	1		10/09/14 14:28		D6
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.3	Std. Units	0.10	1		10/06/14 11:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	12200	mg/L	2.0	1	10/04/14 10:40	10/09/14 18:13		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	289	mg/L	10.0	100		10/13/14 12:42	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	27400	mg/L	2500	250		10/08/14 10:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

Sample: TRIP BLANK		Lab ID: 60179523002	Collected: 10/03/14 00:00	Received: 10/04/14 02:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/09/14 20:24	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/09/14 20:24	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/09/14 20:24	75-27-4	
Bromoform	ND ug/L		1.0	1		10/09/14 20:24	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/09/14 20:24	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/09/14 20:24	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/09/14 20:24	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/09/14 20:24	75-00-3	
Chloroform	ND ug/L		1.0	1		10/09/14 20:24	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/09/14 20:24	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/09/14 20:24	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 20:24	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 20:24	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/09/14 20:24	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/09/14 20:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/09/14 20:24	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/09/14 20:24	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/09/14 20:24	127-18-4	
Toluene	ND ug/L		1.0	1		10/09/14 20:24	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/09/14 20:24	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/09/14 20:24	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/09/14 20:24	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/09/14 20:24	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/09/14 20:24	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	100 %		80-120	1		10/09/14 20:24	460-00-4	
Toluene-d8 (S)	100 %		80-120	1		10/09/14 20:24	2037-26-5	
1,2-Dichloroethane-d4 (S)	102 %		80-120	1		10/09/14 20:24	17060-07-0	
Preservation pH	6.0		1.0	1		10/09/14 20:24		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch:	MERP/8882	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
Associated Lab Samples:	60179523001		

METHOD BLANK: 1455820 Matrix: Water
Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/09/14 13:08	

LABORATORY CONTROL SAMPLE: 1455821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.4	88	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455822 1455823

Parameter	Units	60179262001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Mercury	ug/L	ND	150	150	78.3	76.8	52	51	70-130	2	20	M1

MATRIX SPIKE SAMPLE: 1455824

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L		6.2	150	144	92	70-130

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch: MERP/8884

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60179523001

METHOD BLANK: 1455996

Matrix: Water

Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/09/14 15:09	

LABORATORY CONTROL SAMPLE: 1455997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455998 1455999

Parameter	Units	60179262001		MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Conc.				
Mercury, Dissolved	ug/L	ND	150	150	97.2	86.7	65	58	70-130	11	20	M1			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch: MPRP/29194

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60179523001

METHOD BLANK: 1455143

Matrix: Water

Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/07/14 15:28	
Antimony	ug/L	ND	10.0	10/07/14 15:28	
Arsenic	ug/L	ND	10.0	10/07/14 15:28	
Beryllium	ug/L	ND	1.0	10/07/14 15:28	
Cadmium	ug/L	ND	5.0	10/07/14 15:28	
Chromium	ug/L	ND	5.0	10/07/14 15:28	
Cobalt	ug/L	ND	5.0	10/07/14 15:28	
Copper	ug/L	ND	10.0	10/07/14 15:28	
Iron	ug/L	ND	50.0	10/07/14 15:28	
Lead	ug/L	ND	5.0	10/07/14 15:28	
Nickel	ug/L	ND	5.0	10/07/14 15:28	
Selenium	ug/L	ND	15.0	10/07/14 15:28	
Silver	ug/L	ND	7.0	10/07/14 15:28	
Thallium	ug/L	ND	20.0	10/07/14 15:28	
Zinc	ug/L	ND	50.0	10/07/14 15:28	

LABORATORY CONTROL SAMPLE: 1455144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9780	98	85-115	
Antimony	ug/L	1000	989	99	85-115	
Arsenic	ug/L	1000	967	97	85-115	
Beryllium	ug/L	1000	965	97	85-115	
Cadmium	ug/L	1000	980	98	85-115	
Chromium	ug/L	1000	984	98	85-115	
Cobalt	ug/L	1000	975	98	85-115	
Copper	ug/L	1000	954	95	85-115	
Iron	ug/L	10000	9930	99	85-115	
Lead	ug/L	1000	983	98	85-115	
Nickel	ug/L	1000	1010	101	85-115	
Selenium	ug/L	1000	952	95	85-115	
Silver	ug/L	500	487	97	85-115	
Thallium	ug/L	1000	989	99	85-115	
Zinc	ug/L	1000	998	100	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455145												1455146											
Parameter	Units	60179337001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual											
			Spike Conc.	Spike Conc.																			
Aluminum	ug/L	2030	10000	10000	12500	12400	105	104	70-130	1	8												
Antimony	ug/L	ND	1000	1000	993	996	99	99	70-130	0	7												
Arsenic	ug/L	ND	1000	1000	985	981	98	98	70-130	0	10												
Beryllium	ug/L	ND	1000	1000	968	966	97	97	70-130	0	7												
Cadmium	ug/L	ND	1000	1000	994	993	99	99	70-130	0	10												
Chromium	ug/L	ND	1000	1000	991	982	99	98	70-130	1	10												
Cobalt	ug/L	ND	1000	1000	970	969	97	97	70-130	0	6												
Copper	ug/L	14.9	1000	1000	962	958	95	94	70-130	0	11												
Iron	ug/L	2000	10000	10000	12100	12000	101	100	70-130	1	10												
Lead	ug/L	ND	1000	1000	989	992	99	99	70-130	0	10												
Nickel	ug/L	ND	1000	1000	1000	1000	100	100	70-130	0	10												
Selenium	ug/L	ND	1000	1000	979	978	98	98	70-130	0	10												
Silver	ug/L	ND	500	500	492	489	98	98	70-130	1	10												
Thallium	ug/L	ND	1000	1000	985	986	98	98	70-130	0	6												
Zinc	ug/L	ND	1000	1000	1010	1010	99	100	70-130	0	11												

MATRIX SPIKE SAMPLE: 1455147											
Parameter	Units	60179383001 Result	Spike Conc.	MS	MS	% Rec Limits	Qualifiers				
				Result	% Rec						
Aluminum	ug/L		2630	10000	13300	107	70-130				
Antimony	ug/L		ND	1000	1020	101	70-130				
Arsenic	ug/L		ND	1000	1010	100	70-130				
Beryllium	ug/L		ND	1000	975	97	70-130				
Cadmium	ug/L		ND	1000	1010	101	70-130				
Chromium	ug/L		33.4	1000	1010	97	70-130				
Cobalt	ug/L		ND	1000	974	97	70-130				
Copper	ug/L		86.1	1000	1060	97	70-130				
Iron	ug/L		4820	10000	14800	99	70-130				
Lead	ug/L		60.8	1000	1040	98	70-130				
Nickel	ug/L		39.3	1000	1030	99	70-130				
Selenium	ug/L		ND	1000	1000	100	70-130				
Silver	ug/L		ND	500	496	99	70-130				
Thallium	ug/L		ND	1000	974	97	70-130				
Zinc	ug/L		663	1000	1650	99	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch: MPRP/29228

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60179523001

METHOD BLANK: 1455953

Matrix: Water

Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/09/14 09:56	
Antimony, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Arsenic, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Beryllium, Dissolved	ug/L	ND	1.0	10/09/14 09:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Chromium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Cobalt, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Copper, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Iron, Dissolved	ug/L	ND	50.0	10/09/14 09:56	
Lead, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Nickel, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Selenium, Dissolved	ug/L	ND	15.0	10/09/14 09:56	
Silver, Dissolved	ug/L	ND	7.0	10/09/14 09:56	
Thallium, Dissolved	ug/L	ND	20.0	10/09/14 09:56	
Zinc, Dissolved	ug/L	ND	50.0	10/09/14 09:56	

LABORATORY CONTROL SAMPLE: 1455954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10500	105	85-115	
Antimony, Dissolved	ug/L	1000	1030	103	85-115	
Arsenic, Dissolved	ug/L	1000	998	100	85-115	
Beryllium, Dissolved	ug/L	1000	1040	104	85-115	
Cadmium, Dissolved	ug/L	1000	1010	101	85-115	
Chromium, Dissolved	ug/L	1000	1030	103	85-115	
Cobalt, Dissolved	ug/L	1000	975	98	85-115	
Copper, Dissolved	ug/L	1000	1030	103	85-115	
Iron, Dissolved	ug/L	10000	9900	99	85-115	
Lead, Dissolved	ug/L	1000	976	98	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	959	96	85-115	
Silver, Dissolved	ug/L	500	480	96	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	970	97	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

Parameter	Units	1455955		1455956		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		60179403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Aluminum, Dissolved	ug/L	ND	50000	50000	52800	52200	105	104	70-130	1	8		
Antimony, Dissolved	ug/L	ND	5000	5000	5300	5240	106	105	70-130	1	7		
Arsenic, Dissolved	ug/L	205	5000	5000	5470	5310	105	102	70-130	3	10		
Beryllium, Dissolved	ug/L	ND	5000	5000	5140	5120	103	102	70-130	0	7		
Cadmium, Dissolved	ug/L	ND	5000	5000	5160	5100	103	102	70-130	1	10		
Chromium, Dissolved	ug/L	51.7	5000	5000	5120	5060	101	100	70-130	1	10		
Cobalt, Dissolved	ug/L	ND	5000	5000	4660	4660	93	93	70-130	0	6		
Copper, Dissolved	ug/L	ND	5000	5000	5260	5210	105	104	70-130	1	11		
Iron, Dissolved	ug/L	40500	50000	50000	96400	79300	112	78	70-130	19	10	R1	
Lead, Dissolved	ug/L	ND	5000	5000	4610	4630	92	92	70-130	0	10		
Nickel, Dissolved	ug/L	37.4	5000	5000	4930	4920	98	98	70-130	0	10		
Selenium, Dissolved	ug/L	ND	5000	5000	5140	5040	103	101	70-130	2	10		
Silver, Dissolved	ug/L	ND	2500	2500	2490	2440	99	98	70-130	2	10		
Thallium, Dissolved	ug/L	ND	5000	5000	4720	4800	94	96	70-130	2	6		
Zinc, Dissolved	ug/L	293	5000	5000	5000	4880	94	92	70-130	2	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch: MSV/64947 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60179523001, 60179523002

METHOD BLANK: 1456627 Matrix: Water

Associated Lab Samples: 60179523001, 60179523002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/09/14 17:06	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,2-Dichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/09/14 17:06	
2-Butanone (MEK)	ug/L	ND	10.0	10/09/14 17:06	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/09/14 17:06	N2
Acetone	ug/L	ND	10.0	10/09/14 17:06	N2
Benzene	ug/L	ND	1.0	10/09/14 17:06	
Bromodichloromethane	ug/L	ND	1.0	10/09/14 17:06	
Bromoform	ug/L	ND	1.0	10/09/14 17:06	
Bromomethane	ug/L	ND	5.0	10/09/14 17:06	
Carbon tetrachloride	ug/L	ND	1.0	10/09/14 17:06	
Chloroethane	ug/L	ND	1.0	10/09/14 17:06	
Chloroform	ug/L	ND	1.0	10/09/14 17:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	N2
Ethylbenzene	ug/L	ND	1.0	10/09/14 17:06	
Methylene chloride	ug/L	ND	1.0	10/09/14 17:06	
Tetrachloroethene	ug/L	ND	1.0	10/09/14 17:06	
Toluene	ug/L	ND	1.0	10/09/14 17:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Trichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Vinyl chloride	ug/L	ND	1.0	10/09/14 17:06	
Xylene (Total)	ug/L	ND	3.0	10/09/14 17:06	N2
1,2-Dichloroethane-d4 (S)	%	102	80-120	10/09/14 17:06	
4-Bromofluorobenzene (S)	%	106	80-120	10/09/14 17:06	
Toluene-d8 (S)	%	98	80-120	10/09/14 17:06	

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	98	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.6	103	67-124	
1,2-Dichloroethane	ug/L	20	20.8	104	70-126	
1,4-Dichlorobenzene	ug/L	20	19.7	98	74-120	
2-Butanone (MEK)	ug/L	100	99.9	100	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	59-131	N2
Acetone	ug/L	100	103	103	38-134	N2
Benzene	ug/L	20	19.8	99	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.4	102	68-125	
Bromoform	ug/L	20	21.5	108	65-127	
Bromomethane	ug/L	20	26.0	130	13-157	
Carbon tetrachloride	ug/L	20	19.6	98	70-131	
Chloroethane	ug/L	20	22.1	110	47-133	
Chloroform	ug/L	20	19.5	98	65-127	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	68-127	N2
Ethylbenzene	ug/L	20	20.1	101	74-122	
Methylene chloride	ug/L	20	19.1	96	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	19.5	97	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	66-129	
Trichloroethene	ug/L	20	19.2	96	71-123	
Vinyl chloride	ug/L	20	24.3	121	43-129	
Xylene (Total)	ug/L	60	62.5	104	75-121	N2
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE SAMPLE: 1456629

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	4000	5230	131	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	4000	5290	132	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	4000	5140	129	52-143	
1,2-Dichloroethane	ug/L	ND	4000	4860	121	49-144	
1,4-Dichlorobenzene	ug/L	ND	4000	4990	123	33-140	
2-Butanone (MEK)	ug/L	15400	20000	35800	102	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20000	22600	112	40-160	N2
Acetone	ug/L	44300	20000	59100	74	10-160	N2
Benzene	ug/L	ND	4000	5130	126	37-151	
Bromodichloromethane	ug/L	ND	4000	5000	125	35-142	
Bromoform	ug/L	ND	4000	5310	133	45-142	
Bromomethane	ug/L	ND	4000	5780	145	10-158	
Carbon tetrachloride	ug/L	ND	4000	5530	138	70-140	
Chloroethane	ug/L	ND	4000	5070	127	19-152	
Chloroform	ug/L	ND	4000	4790	120	51-138	
cis-1,2-Dichloroethene	ug/L	ND	4000	4810	120	34-147	N2
Ethylbenzene	ug/L	ND	4000	5280	132	40-142	
Methylene chloride	ug/L	ND	4000	4710	116	31-144	
Tetrachloroethene	ug/L	ND	4000	5500	138	64-148	
Toluene	ug/L	ND	4000	5060	123	47-150	
trans-1,2-Dichloroethene	ug/L	ND	4000	5120	128	54-151	
Trichloroethene	ug/L	ND	4000	4980	124	71-149	
Vinyl chloride	ug/L	ND	4000	5660	142	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

MATRIX SPIKE SAMPLE: 1456629		60179403001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Xylene (Total)	ug/L	ND	12000	15800	132	37-144	N2
1,2-Dichloroethane-d4 (S)	%				94	80-120	
4-Bromofluorobenzene (S)	%				102	80-120	
Toluene-d8 (S)	%				97	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch: OEXT/46555 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60179523001

METHOD BLANK: 1456362 Matrix: Water

Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/10/14 09:24	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/10/14 09:24	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/10/14 09:24	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/10/14 09:24	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/10/14 09:24	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/10/14 09:24	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/10/14 09:24	
Hexachloroethane	ug/L	ND	5.0	10/10/14 09:24	
Naphthalene	ug/L	ND	5.0	10/10/14 09:24	
Nitrobenzene	ug/L	ND	5.0	10/10/14 09:24	
Pentachlorophenol	ug/L	ND	5.0	10/10/14 09:24	
Phenol	ug/L	ND	5.0	10/10/14 09:24	
2,4,6-Tribromophenol (S)	%	81	39-120	10/10/14 09:24	
2-Fluorobiphenyl (S)	%	81	39-120	10/10/14 09:24	
2-Fluorophenol (S)	%	42	17-120	10/10/14 09:24	
Nitrobenzene-d5 (S)	%	78	33-120	10/10/14 09:24	
Phenol-d6 (S)	%	27	11-120	10/10/14 09:24	
Terphenyl-d14 (S)	%	86	45-120	10/10/14 09:24	

LABORATORY CONTROL SAMPLE: 1456363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	46-120	
2,4,6-Trichlorophenol	ug/L	50	47.9	96	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	37.3	75	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.5	65	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	52.6	105	40-133	
Hexachloro-1,3-butadiene	ug/L	50	42.8	86	44-116	
Hexachlorocyclopentadiene	ug/L	100	44.7	45	24-120	
Hexachloroethane	ug/L	50	42.5	85	43-113	
Naphthalene	ug/L	50	45.0	90	48-120	
Nitrobenzene	ug/L	50	46.7	93	48-120	
Pentachlorophenol	ug/L	50	51.6	103	47-120	
Phenol	ug/L	50	16.6	33	16-112	
2,4,6-Tribromophenol (S)	%			97	39-120	
2-Fluorobiphenyl (S)	%			94	39-120	
2-Fluorophenol (S)	%			48	17-120	
Nitrobenzene-d5 (S)	%			95	33-120	
Phenol-d6 (S)	%			31	11-120	
Terphenyl-d14 (S)	%			100	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

MATRIX SPIKE SAMPLE:	1456364	60179421001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	39.8	80	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	44.1	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.8	64	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	28.7	57	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	47.6	95	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	39.7	79	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	42.7	43	11-120	
Hexachloroethane	ug/L	ND	50	40.0	80	40-113	
Naphthalene	ug/L	ND	50	41.4	83	45-120	
Nitrobenzene	ug/L	ND	50	42.2	84	38-120	
Pentachlorophenol	ug/L	ND	50	47.0	94	43-135	
Phenol	ug/L	ND	50	14.1	28	13-112	
2,4,6-Tribromophenol (S)	%				89	39-120	
2-Fluorobiphenyl (S)	%				87	39-120	
2-Fluorophenol (S)	%				40	17-120	
Nitrobenzene-d5 (S)	%				85	33-120	
Phenol-d6 (S)	%				27	11-120	
Terphenyl-d14 (S)	%				90	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch: WET/50728

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60179523001

METHOD BLANK: 1455594

Matrix: Water

Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/08/14 16:11	

LABORATORY CONTROL SAMPLE: 1455595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.4	98	78-114	

MATRIX SPIKE SAMPLE: 1455596

Parameter	Units	60179301004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	7.8	41.2	45.3	91	78-114	

SAMPLE DUPLICATE: 1455597

Parameter	Units	60179365001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	1.7J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch:	WET/50729	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60179523001		

METHOD BLANK: 1455600 Matrix: Water
Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/09/14 10:09	

LABORATORY CONTROL SAMPLE: 1455601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	22.8	114	64-132	

MATRIX SPIKE SAMPLE: 1455602

Parameter	Units	60179301004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	7.4	20.6	24.9	85	64-132	

SAMPLE DUPLICATE: 1455603

Parameter	Units	60179365001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.7J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch:	WET/50794	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60179523001		

METHOD BLANK: 1456853 Matrix: Water

Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/09/14 14:27	

SAMPLE DUPLICATE: 1456854

Parameter	Units	60179523001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	2240	2680	18	10	D6

SAMPLE DUPLICATE: 1456855

Parameter	Units	60179502001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	23.0	27.0	16	10	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch: WET/50689 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60179523001

SAMPLE DUPLICATE: 1454785

Parameter	Units	60179139001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch: WET/50670

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60179523001

METHOD BLANK: 1454095

Matrix: Water

Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/09/14 17:20	

LABORATORY CONTROL SAMPLE: 1454096

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	191	97	85-115	

SAMPLE DUPLICATE: 1454097

Parameter	Units	60179403001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	10300	9530	8	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch:	WETA/31313	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60179523001		

METHOD BLANK: 1458950 Matrix: Water

Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/13/14 12:40	

LABORATORY CONTROL SAMPLE: 1458951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 1458952

Parameter	Units	60179847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.3	2	5.8	74	90-110	M1

SAMPLE DUPLICATE: 1458953

Parameter	Units	60178889001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.042J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

QC Batch:	WETA/31250	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60179523001		

METHOD BLANK: 1454906 Matrix: Water
Associated Lab Samples: 60179523001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/08/14 10:33	

LABORATORY CONTROL SAMPLE: 1454907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	45.8	92	90-110	

MATRIX SPIKE SAMPLE: 1454909

Parameter	Units	60179337001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	16.8	50	68.8	104	90-110	

MATRIX SPIKE SAMPLE: 1454910

Parameter	Units	60179394001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	15.3	50	63.4	96	90-110	

SAMPLE DUPLICATE: 1454908

Parameter	Units	60179403001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	25100	24800	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-025

Pace Project No.: 60179523

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179523001	T1-025	EPA 200.7	MPRP/29194	EPA 200.7	ICP/21963
60179523001	T1-025	EPA 200.7	MPRP/29228	EPA 200.7	ICP/21984
60179523001	T1-025	EPA 245.1	MERP/8882	EPA 245.1	MERC/8838
60179523001	T1-025	EPA 245.1	MERP/8884	EPA 245.1	MERC/8839
60179523001	T1-025	EPA 625	OEXT/46555	EPA 625	MSSV/14962
60179523001	T1-025	EPA 624 Low	MSV/64947		
60179523002	TRIP BLANK	EPA 624 Low	MSV/64947		
60179523001	T1-025	EPA 1664A	WET/50728		
60179523001	T1-025	EPA 1664A	WET/50729		
60179523001	T1-025	SM 2540D	WET/50794		
60179523001	T1-025	SM 4500-H+B	WET/50689		
60179523001	T1-025	SM 5210B	WET/50670	SM 5210B	WET/50805
60179523001	T1-025	EPA 350.1	WETA/31313		
60179523001	T1-025	EPA 410.4	WETA/31250		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60179523



Client Name: BARC

Courier: Fed Ex UPS USPS Client Commercial Pace Other Xpress

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194

Type of Ice: Wet Blue None Samples received on ice, cooling process has begun. (circle one)

Cooler Temperature: 1.4

Temperature should be above freezing to 6°C

Date and initials of person examining contents: cw 10/4/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. pH BOD
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Both BP35 + BP3N initial pH were 6.0
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	added 2.5 mL of HNO3 to BP3N final pH 4.0
Exceptions: <u>VOA</u> , coliform, <u>TOC</u> , <u>O&G</u> , WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	14. and added 2.5 mL of BP35 - <u>H2SO4</u> to BP35 final pH 4.6
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed <u>(N)</u> Lot # of added preservative 12787-19-B
Pace Trip Blank lot # (if purchased): <u>covered</u>		Yes - <u>cw 10/4/14</u>
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>basely</u> Yes in 5/5 <u>BP35</u> vials
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16. <u>-Apply comment</u>
Client Notification/ Resolution:	Copy COC to Client? Y / <u>N</u> Field Data Required? Y / <u>N</u>	17. List State: <u>MD</u>

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Amw for ARP

Date: 10/4/14



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1702	T1-025	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 67-64-1	Acetone	100000		ug/L	1000	155.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 78-93-3	2-Butanone	15000		ug/L	1000	81.18	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 108-10-1	4-Methyl-2-pentanone	180		ug/L	500	74.00	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 591-78-6	2-Hexanone	160		ug/L	500	68.90	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG XYLYMP	p&m-Xylene		U	ug/L	200	26.14	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1702	T1-025	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	200	25.48	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	200	33.03	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 91-20-3	Naphthalene	180		ug/L	500	56.04	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860				
NAL13026-1702	T1-025	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860	50	98%		
NAL13026-1702	T1-025	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860	50	104%		
NAL13026-1702	T1-025	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860	50	104%		
NAL13026-1702	T1-025	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4860	50	108%		



Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100314CCVA	D100314CCVA	ORG 75-71-8	Dichlorodifluoromethane	45		ug/L	5	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	90%		
D100314CCVA	D100314CCVA	ORG 74-87-3	Chloromethane	47		ug/L	5	0.43	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	94%		
D100314CCVA	D100314CCVA	ORG 75-01-4	Vinyl chloride	46		ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	92%		
D100314CCVA	D100314CCVA	ORG 74-83-9	Bromomethane	53		ug/L	5	0.50	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	106%		
D100314CCVA	D100314CCVA	ORG 75-00-3	Chloroethane	40		ug/L	5	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	80%		
D100314CCVA	D100314CCVA	ORG 75-69-4	Trichlorofluoromethane	57		ug/L	5	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	114%		
D100314CCVA	D100314CCVA	ORG 75-35-4	1,1-Dichloroethene	40		ug/L	1	0.47	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	80%		
D100314CCVA	D100314CCVA	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	96%		
D100314CCVA	D100314CCVA	ORG 67-64-1	Acetone	49		ug/L	10	1.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	98%		
D100314CCVA	D100314CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	44		ug/L	1	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	88%		
D100314CCVA	D100314CCVA	ORG 1634-04-4	MTBE	48		ug/L	5	0.61	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	96%		
D100314CCVA	D100314CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	90%		
D100314CCVA	D100314CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	47		ug/L	1	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	94%		
D100314CCVA	D100314CCVA	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	92%		
D100314CCVA	D100314CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	90%		
D100314CCVA	D100314CCVA	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	94%		
D100314CCVA	D100314CCVA	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	106%		
D100314CCVA	D100314CCVA	ORG 56-23-5	Carbon tetrachloride	47		ug/L	1	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	94%		
D100314CCVA	D100314CCVA	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	94%		
D100314CCVA	D100314CCVA	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	92%		
D100314CCVA	D100314CCVA	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	94%		
D100314CCVA	D100314CCVA	ORG 74-95-3	Dibromomethane	45		ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	90%		
D100314CCVA	D100314CCVA	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	96%		
D100314CCVA	D100314CCVA	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	96%		
D100314CCVA	D100314CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	50		ug/L	1	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	100%		
D100314CCVA	D100314CCVA	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	90%		
D100314CCVA	D100314CCVA	ORG 108-10-1	4-Methyl-2-pentanone	52		ug/L	5	0.74	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	104%		
D100314CCVA	D100314CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	108%		
D100314CCVA	D100314CCVA	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	82%		
D100314CCVA	D100314CCVA	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	88%		
D100314CCVA	D100314CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	100%		
D100314CCVA	D100314CCVA	ORG 106-93-4	1,2-Dibromoethane	47		ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	94%		
D100314CCVA	D100314CCVA	ORG 591-78-6	2-Hexanone	65		ug/L	2	0.69	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	130%		
D100314CCVA	D100314CCVA	ORG 100-41-4	Ethylbenzene	51		ug/L	1	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	102%		
D100314CCVA	D100314CCVA	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	92%		
D100314CCVA	D100314CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	49		ug/L	2	0.19	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	98%		
D100314CCVA	D100314CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	100	110%		
D100314CCVA	D100314CCVA	ORG 95-47-6	o-Xylene	54		ug/L	1	0.13	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	108%		
D100314CCVA	D100314CCVA	ORG 100-42-5	Styrene	48		ug/L	1	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	96%		
D100314CCVA	D100314CCVA	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	100%		
D100314CCVA	D100314CCVA	ORG 98-82-8	Isopropylbenzene	51		ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	102%		
D100314CCVA	D100314CCVA	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	108%		
D100314CCVA	D100314CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	90%		
D100314CCVA	D100314CCVA	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	90%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100314CCVA	D100314CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	54		ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	108%		
D100314CCVA	D100314CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	106%		
D100314CCVA	D100314CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	100%		
D100314CCVA	D100314CCVA	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	104%		
D100314CCVA	D100314CCVA	ORG 541-73-1	1,3-Dichlorobenzene	49		ug/L	2	0.22	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	98%		
D100314CCVA	D100314CCVA	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	102%		
D100314CCVA	D100314CCVA	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	94%		
D100314CCVA	D100314CCVA	ORG 95-50-1	1,2-Dichlorobenzene	49		ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	98%		
D100314CCVA	D100314CCVA	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	112%		
D100314CCVA	D100314CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	48		ug/L	5	1.59	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	96%		
D100314CCVA	D100314CCVA	ORG 87-68-3	Hexachlorobutadiene	55		ug/L	5	0.65	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	110%		
D100314CCVA	D100314CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	98%		
D100314CCVA	D100314CCVA	ORG 91-20-3	Naphthalene	42		ug/L	5	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	84%		
D100314CCVA	D100314CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	52		ug/L	5	0.23	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	104%		
D100314CCVA	D100314CCVA	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	100%		
D100314CCVA	D100314CCVA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	98%		
D100314CCVA	D100314CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	98%		
D100314CCVA	D100314CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4857	50	102%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100314MBKA	D100314MBKA	ORG 75-71-8	Dichlorodifluoromethane	U	ug/L	5	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 74-87-3	Chloromethane	U	ug/L	5	0.43	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 75-01-4	Vinyl chloride	U	ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 74-83-9	Bromomethane	U	ug/L	5	0.50	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 75-00-3	Chloroethane	U	ug/L	5	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 75-69-4	Trichlorofluoromethane	U	ug/L	5	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 75-35-4	1,1-Dichloroethene	U	ug/L	1	0.47	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 75-09-2	Methylene chloride	U	ug/L	5	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 67-64-1	Acetone	U	ug/L	10	1.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U	ug/L	1	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 1634-04-4	MTBE	U	ug/L	5	0.61	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 75-34-3	1,1-Dichloroethane	U	ug/L	1	0.53	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U	ug/L	1	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 74-97-5	Bromochloromethane	U	ug/L	10	0.41	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 67-66-3	Chloroform	U	ug/L	2	0.16	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U	ug/L	1	0.17	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 78-93-3	2-Butanone	U	ug/L	1	0.81	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 56-23-5	Carbon tetrachloride	U	ug/L	1	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 71-43-2	Benzene	U	ug/L	1	0.14	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 107-06-2	1,2-Dichloroethane	U	ug/L	1	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 79-01-6	Trichloroethene	U	ug/L	1	0.36	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 74-95-3	Dibromomethane	U	ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 78-87-5	1,2-Dichloropropane	U	ug/L	1	0.18	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 75-27-4	Bromodichloromethane	U	ug/L	2	0.12	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U	ug/L	1	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 108-88-3	Toluene	U	ug/L	1	0.21	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U	ug/L	5	0.74	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U	ug/L	1	0.31	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 127-18-4	Tetrachloroethene	U	ug/L	1	0.49	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U	ug/L	1	0.34	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 124-48-1	Dibromochloromethane	U	ug/L	5	0.30	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 106-93-4	1,2-Dibromoethane	U	ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 591-78-6	2-Hexanone	U	ug/L	2	0.69	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 100-41-4	Ethylbenzene	U	ug/L	1	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 108-90-7	Chlorobenzene	U	ug/L	1	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U	ug/L	2	0.19	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG XYLMP	p&m-Xylene	U	ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 95-47-6	o-Xylene	U	ug/L	1	0.13	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 100-42-5	Styrene	U	ug/L	1	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 75-25-2	Bromoform	U	ug/L	2	0.47	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 98-82-8	Isopropylbenzene	U	ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 103-65-1	n-Propylbenzene	U	ug/L	2	0.27	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U	ug/L	2	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					
D100314MBKA	D100314MBKA	ORG 96-18-4	1,2,3-Trichloropropane	U	ug/L	2	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859					



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100314MBKA	D100314MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859				
D100314MBKA	D100314MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859	50	98%		
D100314MBKA	D100314MBKA	STD 17060-07-0	1,2-Dichloroethane d4	53		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859	50	106%		
D100314MBKA	D100314MBKA	STD 2037-26-5	Toluene d8	53		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859	50	106%		
D100314MBKA	D100314MBKA	STD 460-00-4	Bromofluorobenzene	56		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4859	50	112%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100314ALCS	D100314ALCS	ORG 75-71-8	Dichlorodifluoromethane	44		ug/L	5	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	88%		
D100314ALCS	D100314ALCS	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	82%		
D100314ALCS	D100314ALCS	ORG 75-01-4	Vinyl chloride	40		ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	80%		
D100314ALCS	D100314ALCS	ORG 74-83-9	Bromomethane	46		ug/L	5	0.50	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	92%		
D100314ALCS	D100314ALCS	ORG 75-00-3	Chloroethane	38		ug/L	5	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	76%		
D100314ALCS	D100314ALCS	ORG 75-69-4	Trichlorofluoromethane	58		ug/L	5	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	116%		
D100314ALCS	D100314ALCS	ORG 75-35-4	1,1-Dichloroethene	36		ug/L	1	0.47	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	72%		
D100314ALCS	D100314ALCS	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	92%		
D100314ALCS	D100314ALCS	ORG 67-64-1	Acetone	72		ug/L	10	1.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	144%		
D100314ALCS	D100314ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	42		ug/L	1	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	84%		
D100314ALCS	D100314ALCS	ORG 1634-04-4	MTBE	46		ug/L	5	0.61	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	92%		
D100314ALCS	D100314ALCS	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	88%		
D100314ALCS	D100314ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	46		ug/L	1	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	92%		
D100314ALCS	D100314ALCS	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	90%		
D100314ALCS	D100314ALCS	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	90%		
D100314ALCS	D100314ALCS	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	94%		
D100314ALCS	D100314ALCS	ORG 78-93-3	2-Butanone	51		ug/L	1	0.81	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	102%		
D100314ALCS	D100314ALCS	ORG 56-23-5	Carbon tetrachloride	48		ug/L	1	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	96%		
D100314ALCS	D100314ALCS	ORG 71-43-2	Benzene	46		ug/L	1	0.14	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	92%		
D100314ALCS	D100314ALCS	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	94%		
D100314ALCS	D100314ALCS	ORG 79-01-6	Trichloroethene	46		ug/L	1	0.36	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	92%		
D100314ALCS	D100314ALCS	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	94%		
D100314ALCS	D100314ALCS	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	96%		
D100314ALCS	D100314ALCS	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	96%		
D100314ALCS	D100314ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	50		ug/L	1	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	100%		
D100314ALCS	D100314ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	90%		
D100314ALCS	D100314ALCS	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	106%		
D100314ALCS	D100314ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	110%		
D100314ALCS	D100314ALCS	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	82%		
D100314ALCS	D100314ALCS	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	88%		
D100314ALCS	D100314ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	102%		
D100314ALCS	D100314ALCS	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	96%		
D100314ALCS	D100314ALCS	ORG 591-78-6	2-Hexanone	69		ug/L	2	0.69	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	138%		
D100314ALCS	D100314ALCS	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	106%		
D100314ALCS	D100314ALCS	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	94%		
D100314ALCS	D100314ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	102%		
D100314ALCS	D100314ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	100	110%		
D100314ALCS	D100314ALCS	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	112%		
D100314ALCS	D100314ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	100%		
D100314ALCS	D100314ALCS	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	106%		
D100314ALCS	D100314ALCS	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	104%		
D100314ALCS	D100314ALCS	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	110%		
D100314ALCS	D100314ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	96%		
D100314ALCS	D100314ALCS	ORG 96-18-4	1,2,3-Trichloropropane	48		ug/L	2	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100314ALCS	D100314ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	112%		
D100314ALCS	D100314ALCS	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	106%		
D100314ALCS	D100314ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	102%		
D100314ALCS	D100314ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	104%		
D100314ALCS	D100314ALCS	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	100%		
D100314ALCS	D100314ALCS	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	102%		
D100314ALCS	D100314ALCS	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	94%		
D100314ALCS	D100314ALCS	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	100%		
D100314ALCS	D100314ALCS	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	112%		
D100314ALCS	D100314ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	51		ug/L	5	1.59	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	102%		
D100314ALCS	D100314ALCS	ORG 87-68-3	Hexachlorobutadiene	57		ug/L	5	0.65	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	114%		
D100314ALCS	D100314ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	51		ug/L	5	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	102%		
D100314ALCS	D100314ALCS	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	96%		
D100314ALCS	D100314ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	55		ug/L	5	0.23	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	110%		
D100314ALCS	D100314ALCS	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	96%		
D100314ALCS	D100314ALCS	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	98%		
D100314ALCS	D100314ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	96%		
D100314ALCS	D100314ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4858	50	104%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100314ALCD	D100314ALCD	ORG 75-71-8	Dichlorodifluoromethane	46		ug/L	5	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	92%	4%	
D100314ALCD	D100314ALCD	ORG 74-87-3	Chloromethane	43		ug/L	5	0.43	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	86%	5%	
D100314ALCD	D100314ALCD	ORG 75-01-4	Vinyl chloride	44		ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	88%	10%	
D100314ALCD	D100314ALCD	ORG 74-83-9	Bromomethane	59		ug/L	5	0.50	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	118%	25%	
D100314ALCD	D100314ALCD	ORG 75-00-3	Chloroethane	47		ug/L	5	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	94%	21%	
D100314ALCD	D100314ALCD	ORG 75-69-4	Trichlorofluoromethane	110		ug/L	5	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	220%	62%	
D100314ALCD	D100314ALCD	ORG 75-35-4	1,1-Dichloroethene	45		ug/L	1	0.47	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	90%	22%	
D100314ALCD	D100314ALCD	ORG 75-09-2	Methylene chloride	42		ug/L	5	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	84%	9%	
D100314ALCD	D100314ALCD	ORG 67-64-1	Acetone	50		ug/L	10	1.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	100%	36%	
D100314ALCD	D100314ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	44		ug/L	1	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	88%	5%	
D100314ALCD	D100314ALCD	ORG 1634-04-4	MTBE	45		ug/L	5	0.61	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	90%	2%	
D100314ALCD	D100314ALCD	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	88%	0%	
D100314ALCD	D100314ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	46		ug/L	1	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	92%	0%	
D100314ALCD	D100314ALCD	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	92%	2%	
D100314ALCD	D100314ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	92%	2%	
D100314ALCD	D100314ALCD	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	98%	4%	
D100314ALCD	D100314ALCD	ORG 78-93-3	2-Butanone	52		ug/L	1	0.81	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	104%	2%	
D100314ALCD	D100314ALCD	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	98%	2%	
D100314ALCD	D100314ALCD	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	94%	2%	
D100314ALCD	D100314ALCD	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	96%	2%	
D100314ALCD	D100314ALCD	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	94%	2%	
D100314ALCD	D100314ALCD	ORG 74-95-3	Dibromomethane	45		ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	90%	4%	
D100314ALCD	D100314ALCD	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	94%	2%	
D100314ALCD	D100314ALCD	ORG 75-27-4	Bromodichloromethane	49		ug/L	2	0.12	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	98%	2%	
D100314ALCD	D100314ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	50		ug/L	1	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	100%	0%	
D100314ALCD	D100314ALCD	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	90%	0%	
D100314ALCD	D100314ALCD	ORG 108-10-1	4-Methyl-2-pentanone	47		ug/L	5	0.74	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	94%	12%	
D100314ALCD	D100314ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	108%	2%	
D100314ALCD	D100314ALCD	ORG 127-18-4	Tetrachloroethene	42		ug/L	1	0.49	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	84%	2%	
D100314ALCD	D100314ALCD	ORG 79-00-5	1,1,2-Trichloroethane	42		ug/L	1	0.34	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	84%	5%	
D100314ALCD	D100314ALCD	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	100%	2%	
D100314ALCD	D100314ALCD	ORG 106-93-4	1,2-Dibromoethane	46		ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	92%	4%	
D100314ALCD	D100314ALCD	ORG 591-78-6	2-Hexanone	56		ug/L	2	0.69	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	112%	21%	
D100314ALCD	D100314ALCD	ORG 100-41-4	Ethylbenzene	52		ug/L	1	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	104%	2%	
D100314ALCD	D100314ALCD	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	92%	2%	
D100314ALCD	D100314ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	49		ug/L	2	0.19	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	98%	4%	
D100314ALCD	D100314ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	100	110%	0%	
D100314ALCD	D100314ALCD	ORG 95-47-6	o-Xylene	54		ug/L	1	0.13	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	108%	4%	
D100314ALCD	D100314ALCD	ORG 100-42-5	Styrene	48		ug/L	1	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	96%	4%	
D100314ALCD	D100314ALCD	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	98%	8%	
D100314ALCD	D100314ALCD	ORG 98-82-8	Isopropylbenzene	51		ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	102%	2%	
D100314ALCD	D100314ALCD	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	108%	2%	
D100314ALCD	D100314ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	42		ug/L	2	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	84%	13%	
D100314ALCD	D100314ALCD	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	88%	9%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100314ALCD	D100314ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	54		ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	108%	4%	
D100314ALCD	D100314ALCD	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	104%	2%	
D100314ALCD	D100314ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	100%	2%	
D100314ALCD	D100314ALCD	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	102%	2%	
D100314ALCD	D100314ALCD	ORG 541-73-1	1,3-Dichlorobenzene	49		ug/L	2	0.22	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	98%	2%	
D100314ALCD	D100314ALCD	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	100%	2%	
D100314ALCD	D100314ALCD	ORG 106-46-7	1,4-Dichlorobenzene	46		ug/L	2	0.33	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	92%	2%	
D100314ALCD	D100314ALCD	ORG 95-50-1	1,2-Dichlorobenzene	48		ug/L	2	0.26	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	96%	4%	
D100314ALCD	D100314ALCD	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	110%	2%	
D100314ALCD	D100314ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	43		ug/L	5	1.59	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	86%	17%	
D100314ALCD	D100314ALCD	ORG 87-68-3	Hexachlorobutadiene	55		ug/L	5	0.65	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	110%	4%	
D100314ALCD	D100314ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	48		ug/L	5	0.28	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	96%	6%	
D100314ALCD	D100314ALCD	ORG 91-20-3	Naphthalene	40		ug/L	5	0.56	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	80%	18%	
D100314ALCD	D100314ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	100%	10%	
D100314ALCD	D100314ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	100%	4%	
D100314ALCD	D100314ALCD	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	102%	4%	
D100314ALCD	D100314ALCD	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	98%	2%	
D100314ALCD	D100314ALCD	STD 460-00-4	Bromofluorobenzene	50		ug/L	1	0.10	NA	10/3/2014	10/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4862	50	100%	4%	



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1702MS	T1-025	ORG 75-71-8	Dichlorodifluoromethane	4500		ug/L	500	29.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	90%		
NAL13026-1702MS	T1-025	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	88%		
NAL13026-1702MS	T1-025	ORG 75-01-4	Vinyl chloride	4200		ug/L	200	31.86	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	84%		
NAL13026-1702MS	T1-025	ORG 74-83-9	Bromomethane	4300		ug/L	500	50.04	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	86%		
NAL13026-1702MS	T1-025	ORG 75-00-3	Chloroethane	3900		ug/L	500	55.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	78%		
NAL13026-1702MS	T1-025	ORG 75-69-4	Trichlorofluoromethane	6200		ug/L	500	19.65	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	124%		
NAL13026-1702MS	T1-025	ORG 75-35-4	1,1-Dichloroethene	3800		ug/L	100	47.11	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	76%		
NAL13026-1702MS	T1-025	ORG 75-09-2	Methylene chloride	4300		ug/L	500	26.46	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	86%		
NAL13026-1702MS	T1-025	ORG 67-64-1	Acetone	98000		ug/L	1000	155.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	-40%		100000
NAL13026-1702MS	T1-025	ORG 156-60-5	trans-1,2-Dichloroethene	4100		ug/L	100	55.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	82%		
NAL13026-1702MS	T1-025	ORG 1634-04-4	MTBE	4600		ug/L	500	61.18	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	92%		
NAL13026-1702MS	T1-025	ORG 75-34-3	1,1-Dichloroethane	4200		ug/L	100	52.66	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	84%		
NAL13026-1702MS	T1-025	ORG 156-59-2	cis-1,2-Dichloroethene	4600		ug/L	100	32.11	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	92%		
NAL13026-1702MS	T1-025	ORG 74-97-5	Bromochloromethane	4200		ug/L	1000	41.37	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	84%		
NAL13026-1702MS	T1-025	ORG 67-66-3	Chloroform	4300		ug/L	200	15.73	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	86%		
NAL13026-1702MS	T1-025	ORG 71-55-6	1,1,1-Trichloroethane	4500		ug/L	100	16.65	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	90%		
NAL13026-1702MS	T1-025	ORG 78-93-3	2-Butanone	20000		ug/L	100	81.18	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	100%		15000
NAL13026-1702MS	T1-025	ORG 56-23-5	Carbon tetrachloride	4500		ug/L	100	27.64	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	90%		
NAL13026-1702MS	T1-025	ORG 71-43-2	Benzene	4400		ug/L	100	13.53	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	88%		
NAL13026-1702MS	T1-025	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	92%		
NAL13026-1702MS	T1-025	ORG 79-01-6	Trichloroethene	4400		ug/L	100	36.33	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	88%		
NAL13026-1702MS	T1-025	ORG 74-95-3	Dibromomethane	4600		ug/L	200	32.20	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	92%		
NAL13026-1702MS	T1-025	ORG 78-87-5	1,2-Dichloropropane	4700		ug/L	100	18.17	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	94%		
NAL13026-1702MS	T1-025	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	92%		
NAL13026-1702MS	T1-025	ORG 10061-01-5	cis-1,3-Dichloropropene	4900		ug/L	100	25.01	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	98%		
NAL13026-1702MS	T1-025	ORG 108-88-3	Toluene	4300		ug/L	100	20.96	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	86%		
NAL13026-1702MS	T1-025	ORG 108-10-1	4-Methyl-2-pentanone	5300		ug/L	500	74.00	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	102%		180
NAL13026-1702MS	T1-025	ORG 10061-02-6	trans-1,3-Dichloropropene	5200		ug/L	100	31.15	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	104%		
NAL13026-1702MS	T1-025	ORG 127-18-4	Tetrachloroethene	3900		ug/L	100	48.56	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	78%		
NAL13026-1702MS	T1-025	ORG 79-00-5	1,1,2-Trichloroethane	4200		ug/L	100	34.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	84%		
NAL13026-1702MS	T1-025	ORG 124-48-1	Dibromochloromethane	4700		ug/L	500	29.90	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	94%		
NAL13026-1702MS	T1-025	ORG 106-93-4	1,2-Dibromoethane	4600		ug/L	200	26.49	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	92%		
NAL13026-1702MS	T1-025	ORG 591-78-6	2-Hexanone	6000		ug/L	200	68.90	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	117%		160
NAL13026-1702MS	T1-025	ORG 100-41-4	Ethylbenzene	4900		ug/L	100	25.38	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	98%		
NAL13026-1702MS	T1-025	ORG 108-90-7	Chlorobenzene	4300		ug/L	100	27.52	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	86%		
NAL13026-1702MS	T1-025	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4600		ug/L	200	19.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	92%		
NAL13026-1702MS	T1-025	ORG XYLYMP	p&m-Xylene	10000		ug/L	200	26.14	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	10000	100%		
NAL13026-1702MS	T1-025	ORG 95-47-6	o-Xylene	5100		ug/L	100	12.90	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	102%		
NAL13026-1702MS	T1-025	ORG 100-42-5	Styrene	4600		ug/L	100	20.23	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	92%		
NAL13026-1702MS	T1-025	ORG 75-25-2	Bromoform	4800		ug/L	200	46.83	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	96%		
NAL13026-1702MS	T1-025	ORG 98-82-8	Isopropylbenzene	4900		ug/L	200	20.48	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	98%		
NAL13026-1702MS	T1-025	ORG 103-65-1	n-Propylbenzene	5200		ug/L	200	27.00	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	104%		
NAL13026-1702MS	T1-025	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4400		ug/L	200	29.16	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	88%		
NAL13026-1702MS	T1-025	ORG 96-18-4	1,2,3-Trichloropropane	4400		ug/L	200	29.47	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	88%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1702MS	T1-025	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	102%		
NAL13026-1702MS	T1-025	ORG 98-06-6	tert-Butylbenzene	5000		ug/L	200	32.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	100%		
NAL13026-1702MS	T1-025	ORG 95-63-6	1,2,4-Trimethylbenzene	4700		ug/L	200	20.03	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	94%		
NAL13026-1702MS	T1-025	ORG 135-98-8	sec-Butylbenzene	4900		ug/L	200	32.34	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	98%		
NAL13026-1702MS	T1-025	ORG 541-73-1	1,3-Dichlorobenzene	4800		ug/L	200	22.21	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	96%		
NAL13026-1702MS	T1-025	ORG 99-87-6	p-Isopropyltoluene	4800		ug/L	200	25.48	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	96%		
NAL13026-1702MS	T1-025	ORG 106-46-7	1,4-Dichlorobenzene	4400		ug/L	200	33.03	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	88%		
NAL13026-1702MS	T1-025	ORG 95-50-1	1,2-Dichlorobenzene	4700		ug/L	200	26.38	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	94%		
NAL13026-1702MS	T1-025	ORG 104-51-8	n-Butylbenzene	5300		ug/L	500	27.81	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	106%		
NAL13026-1702MS	T1-025	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5000		ug/L	500	159.11	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	100%		
NAL13026-1702MS	T1-025	ORG 87-68-3	Hexachlorobutadiene	5200		ug/L	500	65.42	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	104%		
NAL13026-1702MS	T1-025	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	98%		
NAL13026-1702MS	T1-025	ORG 91-20-3	Naphthalene	4800		ug/L	500	56.04	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	92%		180
NAL13026-1702MS	T1-025	ORG 87-61-6	1,2,3-Trichlorobenzene	5100		ug/L	500	23.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	5000	102%		
NAL13026-1702MS	T1-025	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	50	98%		
NAL13026-1702MS	T1-025	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	50	102%		
NAL13026-1702MS	T1-025	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	50	96%		
NAL13026-1702MS	T1-025	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4863	50	104%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1702MSD	T1-025	ORG 75-71-8	Dichlorodifluoromethane	4300		ug/L	500	29.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	86%	5%	
NAL13026-1702MSD	T1-025	ORG 74-87-3	Chloromethane	4200		ug/L	500	43.07	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	84%	5%	
NAL13026-1702MSD	T1-025	ORG 75-01-4	Vinyl chloride	4100		ug/L	200	31.86	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	82%	2%	
NAL13026-1702MSD	T1-025	ORG 74-83-9	Bromomethane	4200		ug/L	500	50.04	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	84%	2%	
NAL13026-1702MSD	T1-025	ORG 75-00-3	Chloroethane	3800		ug/L	500	55.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	76%	3%	
NAL13026-1702MSD	T1-025	ORG 75-69-4	Trichlorofluoromethane	6500		ug/L	500	19.65	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	130%	5%	
NAL13026-1702MSD	T1-025	ORG 75-35-4	1,1-Dichloroethene	3600		ug/L	100	47.11	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	72%	5%	
NAL13026-1702MSD	T1-025	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	90%	5%	
NAL13026-1702MSD	T1-025	ORG 67-64-1	Acetone	100000		ug/L	1000	155.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	0%	2%	100000
NAL13026-1702MSD	T1-025	ORG 156-60-5	trans-1,2-Dichloroethene	4200		ug/L	100	55.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	84%	2%	
NAL13026-1702MSD	T1-025	ORG 1634-04-4	MTBE	4700		ug/L	500	61.18	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	94%	2%	
NAL13026-1702MSD	T1-025	ORG 75-34-3	1,1-Dichloroethane	4300		ug/L	100	52.66	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	86%	2%	
NAL13026-1702MSD	T1-025	ORG 156-59-2	cis-1,2-Dichloroethene	4800		ug/L	100	32.11	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	96%	4%	
NAL13026-1702MSD	T1-025	ORG 74-97-5	Bromochloromethane	4300		ug/L	1000	41.37	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	86%	2%	
NAL13026-1702MSD	T1-025	ORG 67-66-3	Chloroform	4400		ug/L	200	15.73	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	88%	2%	
NAL13026-1702MSD	T1-025	ORG 71-55-6	1,1,1-Trichloroethane	4600		ug/L	100	16.65	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	92%	2%	
NAL13026-1702MSD	T1-025	ORG 78-93-3	2-Butanone	21000		ug/L	100	81.18	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	120%	5%	15000
NAL13026-1702MSD	T1-025	ORG 56-23-5	Carbon tetrachloride	5000		ug/L	100	27.64	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	100%	11%	
NAL13026-1702MSD	T1-025	ORG 71-43-2	Benzene	4600		ug/L	100	13.53	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	92%	4%	
NAL13026-1702MSD	T1-025	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	92%	0%	
NAL13026-1702MSD	T1-025	ORG 79-01-6	Trichloroethene	4600		ug/L	100	36.33	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	92%	4%	
NAL13026-1702MSD	T1-025	ORG 74-95-3	Dibromomethane	4700		ug/L	200	32.20	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	94%	2%	
NAL13026-1702MSD	T1-025	ORG 78-87-5	1,2-Dichloropropane	4900		ug/L	100	18.17	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	98%	4%	
NAL13026-1702MSD	T1-025	ORG 75-27-4	Bromodichloromethane	4800		ug/L	200	11.58	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	96%	4%	
NAL13026-1702MSD	T1-025	ORG 10061-01-5	cis-1,3-Dichloropropene	5000		ug/L	100	25.01	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	100%	2%	
NAL13026-1702MSD	T1-025	ORG 108-88-3	Toluene	4400		ug/L	100	20.96	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	88%	2%	
NAL13026-1702MSD	T1-025	ORG 108-10-1	4-Methyl-2-pentanone	5100		ug/L	500	74.00	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	98%	4%	180
NAL13026-1702MSD	T1-025	ORG 10061-02-6	trans-1,3-Dichloropropene	5300		ug/L	100	31.15	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	106%	2%	
NAL13026-1702MSD	T1-025	ORG 127-18-4	Tetrachloroethene	4200		ug/L	100	48.56	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	84%	7%	
NAL13026-1702MSD	T1-025	ORG 79-00-5	1,1,2-Trichloroethane	4400		ug/L	100	34.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	88%	5%	
NAL13026-1702MSD	T1-025	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	100%	6%	
NAL13026-1702MSD	T1-025	ORG 106-93-4	1,2-Dibromoethane	4900		ug/L	200	26.49	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	98%	6%	
NAL13026-1702MSD	T1-025	ORG 591-78-6	2-Hexanone	5600		ug/L	200	68.90	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	109%	7%	160
NAL13026-1702MSD	T1-025	ORG 100-41-4	Ethylbenzene	5200		ug/L	100	25.38	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	104%	6%	
NAL13026-1702MSD	T1-025	ORG 108-90-7	Chlorobenzene	4600		ug/L	100	27.52	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	92%	7%	
NAL13026-1702MSD	T1-025	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	100%	8%	
NAL13026-1702MSD	T1-025	ORG XYLYMP	p&m-Xylene	11000		ug/L	200	26.14	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	10000	110%	10%	
NAL13026-1702MSD	T1-025	ORG 95-47-6	o-Xylene	5500		ug/L	100	12.90	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	110%	8%	
NAL13026-1702MSD	T1-025	ORG 100-42-5	Styrene	4900		ug/L	100	20.23	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	98%	6%	
NAL13026-1702MSD	T1-025	ORG 75-25-2	Bromoform	5000		ug/L	200	46.83	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	100%	4%	
NAL13026-1702MSD	T1-025	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	104%	6%	
NAL13026-1702MSD	T1-025	ORG 103-65-1	n-Propylbenzene	5400		ug/L	200	27.00	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	108%	4%	
NAL13026-1702MSD	T1-025	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	94%	7%	
NAL13026-1702MSD	T1-025	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	94%	7%	

Confidential
D100314AKCF

D100314AKCF

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1702MSD	T1-025	ORG 108-67-8	1,3,5-Trimethylbenzene	5400		ug/L	200	20.03	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	108%	6%	
NAL13026-1702MSD	T1-025	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	104%	4%	
NAL13026-1702MSD	T1-025	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	100%	6%	
NAL13026-1702MSD	T1-025	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	102%	4%	
NAL13026-1702MSD	T1-025	ORG 541-73-1	1,3-Dichlorobenzene	4900		ug/L	200	22.21	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	98%	2%	
NAL13026-1702MSD	T1-025	ORG 99-87-6	p-Isopropyltoluene	5100		ug/L	200	25.48	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	102%	6%	
NAL13026-1702MSD	T1-025	ORG 106-46-7	1,4-Dichlorobenzene	4700		ug/L	200	33.03	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	94%	7%	
NAL13026-1702MSD	T1-025	ORG 95-50-1	1,2-Dichlorobenzene	5000		ug/L	200	26.38	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	100%	6%	
NAL13026-1702MSD	T1-025	ORG 104-51-8	n-Butylbenzene	5600		ug/L	500	27.81	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	112%	6%	
NAL13026-1702MSD	T1-025	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5500		ug/L	500	159.11	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	110%	10%	
NAL13026-1702MSD	T1-025	ORG 87-68-3	Hexachlorobutadiene	5500		ug/L	500	65.42	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	110%	6%	
NAL13026-1702MSD	T1-025	ORG 120-82-1	1,2,4-Trichlorobenzene	5100		ug/L	500	27.63	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	102%	4%	
NAL13026-1702MSD	T1-025	ORG 91-20-3	Naphthalene	5100		ug/L	500	56.04	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	98%	6%	180
NAL13026-1702MSD	T1-025	ORG 87-61-6	1,2,3-Trichlorobenzene	5400		ug/L	500	23.28	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	5000	108%	6%	
NAL13026-1702MSD	T1-025	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	50	102%	4%	
NAL13026-1702MSD	T1-025	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	50	100%	2%	
NAL13026-1702MSD	T1-025	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	50	96%	0%	
NAL13026-1702MSD	T1-025	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/3/2014	10/3/2014	10/3/2014	WG	100	NA	5.0	NA	SW8260B	NALD4864	50	104%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1703	T1-026	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 67-64-1	Acetone	79000	D	ug/L	10000	1556.07	10/4/2014	10/4/2014	10/4/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4870				
NAL13026-1703	T1-026	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 78-93-3	2-Butanone	11000		ug/L	1000	81.18	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 108-10-1	4-Methyl-2-pentanone	180	J	ug/L	500	74.00	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 127-18-4	Tetrachloroethene		UX-	ug/L	100	48.56	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1703	T1-026	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 99-87-6	p-Isopropyltoluene	290		ug/L	200	25.48	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	200	33.03	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 91-20-3	Naphthalene	110	JX-	ug/L	500	56.04	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869				
NAL13026-1703	T1-026	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869	50	100%		
NAL13026-1703	T1-026	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869	50	104%		
NAL13026-1703	T1-026	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869	50	104%		
NAL13026-1703	T1-026	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4869	50	108%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100414CCVA	D100414CCVA	ORG 75-71-8	Dichlorodifluoromethane	44		ug/L	5	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	88%		
D100414CCVA	D100414CCVA	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	88%		
D100414CCVA	D100414CCVA	ORG 75-01-4	Vinyl chloride	45		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	90%		
D100414CCVA	D100414CCVA	ORG 74-83-9	Bromomethane	58		ug/L	5	0.50	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	116%		
D100414CCVA	D100414CCVA	ORG 75-00-3	Chloroethane	42		ug/L	5	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	84%		
D100414CCVA	D100414CCVA	ORG 75-69-4	Trichlorofluoromethane	100		ug/L	5	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	200%		
D100414CCVA	D100414CCVA	ORG 75-35-4	1,1-Dichloroethene	41		ug/L	1	0.47	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	82%		
D100414CCVA	D100414CCVA	ORG 75-09-2	Methylene chloride	47		ug/L	5	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	94%		
D100414CCVA	D100414CCVA	ORG 67-64-1	Acetone	51		ug/L	10	1.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	102%		
D100414CCVA	D100414CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	44		ug/L	1	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	88%		
D100414CCVA	D100414CCVA	ORG 1634-04-4	MTBE	46		ug/L	5	0.61	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	92%		
D100414CCVA	D100414CCVA	ORG 75-34-3	1,1-Dichloroethane	43		ug/L	1	0.53	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	86%		
D100414CCVA	D100414CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	45		ug/L	1	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	90%		
D100414CCVA	D100414CCVA	ORG 74-97-5	Bromochloromethane	43		ug/L	10	0.41	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	86%		
D100414CCVA	D100414CCVA	ORG 67-66-3	Chloroform	43		ug/L	2	0.16	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	86%		
D100414CCVA	D100414CCVA	ORG 71-55-6	1,1,1-Trichloroethane	46		ug/L	1	0.17	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	92%		
D100414CCVA	D100414CCVA	ORG 78-93-3	2-Butanone	48		ug/L	1	0.81	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	96%		
D100414CCVA	D100414CCVA	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	98%		
D100414CCVA	D100414CCVA	ORG 71-43-2	Benzene	45		ug/L	1	0.14	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	90%		
D100414CCVA	D100414CCVA	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	88%		
D100414CCVA	D100414CCVA	ORG 79-01-6	Trichloroethene	45		ug/L	1	0.36	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	90%		
D100414CCVA	D100414CCVA	ORG 74-95-3	Dibromomethane	44		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	88%		
D100414CCVA	D100414CCVA	ORG 78-87-5	1,2-Dichloropropane	46		ug/L	1	0.18	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	92%		
D100414CCVA	D100414CCVA	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	94%		
D100414CCVA	D100414CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	50		ug/L	1	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	100%		
D100414CCVA	D100414CCVA	ORG 108-88-3	Toluene	44		ug/L	1	0.21	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	88%		
D100414CCVA	D100414CCVA	ORG 108-10-1	4-Methyl-2-pentanone	46		ug/L	5	0.74	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	92%		
D100414CCVA	D100414CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	52		ug/L	1	0.31	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	104%		
D100414CCVA	D100414CCVA	ORG 127-18-4	Tetrachloroethene	40		ug/L	1	0.49	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	80%		
D100414CCVA	D100414CCVA	ORG 79-00-5	1,1,2-Trichloroethane	42		ug/L	1	0.34	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	84%		
D100414CCVA	D100414CCVA	ORG 124-48-1	Dibromochloromethane	47		ug/L	5	0.30	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	94%		
D100414CCVA	D100414CCVA	ORG 106-93-4	1,2-Dibromoethane	46		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	92%		
D100414CCVA	D100414CCVA	ORG 591-78-6	2-Hexanone	56		ug/L	2	0.69	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	112%		
D100414CCVA	D100414CCVA	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	106%		
D100414CCVA	D100414CCVA	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	94%		
D100414CCVA	D100414CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	102%		
D100414CCVA	D100414CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	100	110%		
D100414CCVA	D100414CCVA	ORG 95-47-6	o-Xylene	54		ug/L	1	0.13	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	108%		
D100414CCVA	D100414CCVA	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	98%		
D100414CCVA	D100414CCVA	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	96%		
D100414CCVA	D100414CCVA	ORG 98-82-8	Isopropylbenzene	51		ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	102%		
D100414CCVA	D100414CCVA	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	108%		
D100414CCVA	D100414CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	42		ug/L	2	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	84%		

Confidential
D100414AKCF



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100414CCVA	D100414CCVA	ORG 96-18-4	1,2,3-Trichloropropane	42		ug/L	2	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	84%		
D100414CCVA	D100414CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	106%		
D100414CCVA	D100414CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	106%		
D100414CCVA	D100414CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	100%		
D100414CCVA	D100414CCVA	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	102%		
D100414CCVA	D100414CCVA	ORG 541-73-1	1,3-Dichlorobenzene	49		ug/L	2	0.22	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	98%		
D100414CCVA	D100414CCVA	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	102%		
D100414CCVA	D100414CCVA	ORG 106-46-7	1,4-Dichlorobenzene	46		ug/L	2	0.33	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	92%		
D100414CCVA	D100414CCVA	ORG 95-50-1	1,2-Dichlorobenzene	48		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	96%		
D100414CCVA	D100414CCVA	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	110%		
D100414CCVA	D100414CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	44		ug/L	5	1.59	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	88%		
D100414CCVA	D100414CCVA	ORG 87-68-3	Hexachlorobutadiene	54		ug/L	5	0.65	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	108%		
D100414CCVA	D100414CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	92%		
D100414CCVA	D100414CCVA	ORG 91-20-3	Naphthalene	39		ug/L	5	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	78%		
D100414CCVA	D100414CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	48		ug/L	5	0.23	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	96%		
D100414CCVA	D100414CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	98%		
D100414CCVA	D100414CCVA	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	94%		
D100414CCVA	D100414CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	98%		
D100414CCVA	D100414CCVA	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4866	50	108%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100414MBKA	D100414MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100414MBKA	D100414MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868				
D100414MBKA	D100414MBKA	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868	50	102%		
D100414MBKA	D100414MBKA	STD 17060-07-0	1,2-Dichloroethane d4	56		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868	50	112%		
D100414MBKA	D100414MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868	50	104%		
D100414MBKA	D100414MBKA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4868	50	106%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100414ALCS	D100414ALCS	ORG 75-71-8	Dichlorodifluoromethane	43		ug/L	5	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	86%		
D100414ALCS	D100414ALCS	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	88%		
D100414ALCS	D100414ALCS	ORG 75-01-4	Vinyl chloride	40		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	80%		
D100414ALCS	D100414ALCS	ORG 74-83-9	Bromomethane	37		ug/L	5	0.50	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	74%		
D100414ALCS	D100414ALCS	ORG 75-00-3	Chloroethane	38		ug/L	5	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	76%		
D100414ALCS	D100414ALCS	ORG 75-69-4	Trichlorofluoromethane	52		ug/L	5	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	104%		
D100414ALCS	D100414ALCS	ORG 75-35-4	1,1-Dichloroethene	31		ug/L	1	0.47	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	62%		
D100414ALCS	D100414ALCS	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	90%		
D100414ALCS	D100414ALCS	ORG 67-64-1	Acetone	61		ug/L	10	1.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	122%		
D100414ALCS	D100414ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	41		ug/L	1	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	82%		
D100414ALCS	D100414ALCS	ORG 1634-04-4	MTBE	47		ug/L	5	0.61	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	94%		
D100414ALCS	D100414ALCS	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	88%		
D100414ALCS	D100414ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	45		ug/L	1	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	90%		
D100414ALCS	D100414ALCS	ORG 74-97-5	Bromochloromethane	44		ug/L	10	0.41	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	88%		
D100414ALCS	D100414ALCS	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	88%		
D100414ALCS	D100414ALCS	ORG 71-55-6	1,1,1-Trichloroethane	46		ug/L	1	0.17	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	92%		
D100414ALCS	D100414ALCS	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	100%		
D100414ALCS	D100414ALCS	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	98%		
D100414ALCS	D100414ALCS	ORG 71-43-2	Benzene	46		ug/L	1	0.14	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	92%		
D100414ALCS	D100414ALCS	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	92%		
D100414ALCS	D100414ALCS	ORG 79-01-6	Trichloroethene	46		ug/L	1	0.36	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	92%		
D100414ALCS	D100414ALCS	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	92%		
D100414ALCS	D100414ALCS	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	94%		
D100414ALCS	D100414ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	92%		
D100414ALCS	D100414ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	50		ug/L	1	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	100%		
D100414ALCS	D100414ALCS	ORG 108-88-3	Toluene	44		ug/L	1	0.21	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	88%		
D100414ALCS	D100414ALCS	ORG 108-10-1	4-Methyl-2-pentanone	51		ug/L	5	0.74	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	102%		
D100414ALCS	D100414ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	108%		
D100414ALCS	D100414ALCS	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	82%		
D100414ALCS	D100414ALCS	ORG 79-00-5	1,1,2-Trichloroethane	42		ug/L	1	0.34	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	84%		
D100414ALCS	D100414ALCS	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	100%		
D100414ALCS	D100414ALCS	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	96%		
D100414ALCS	D100414ALCS	ORG 591-78-6	2-Hexanone	62		ug/L	2	0.69	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	124%		
D100414ALCS	D100414ALCS	ORG 100-41-4	Ethylbenzene	51		ug/L	1	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	102%		
D100414ALCS	D100414ALCS	ORG 108-90-7	Chlorobenzene	44		ug/L	1	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	88%		
D100414ALCS	D100414ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	48		ug/L	2	0.19	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	96%		
D100414ALCS	D100414ALCS	ORG XYLMP	p&m-Xylene	100		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	100	100%		
D100414ALCS	D100414ALCS	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	106%		
D100414ALCS	D100414ALCS	ORG 100-42-5	Styrene	48		ug/L	1	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	96%		
D100414ALCS	D100414ALCS	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	100%		
D100414ALCS	D100414ALCS	ORG 98-82-8	Isopropylbenzene	49		ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	98%		
D100414ALCS	D100414ALCS	ORG 103-65-1	n-Propylbenzene	52		ug/L	2	0.27	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	104%		
D100414ALCS	D100414ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	90%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100414ALCS	D100414ALCS	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	90%		
D100414ALCS	D100414ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	104%		
D100414ALCS	D100414ALCS	ORG 98-06-6	tert-Butylbenzene	51		ug/L	2	0.33	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	102%		
D100414ALCS	D100414ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	48		ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	96%		
D100414ALCS	D100414ALCS	ORG 135-98-8	sec-Butylbenzene	50		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	100%		
D100414ALCS	D100414ALCS	ORG 541-73-1	1,3-Dichlorobenzene	48		ug/L	2	0.22	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	96%		
D100414ALCS	D100414ALCS	ORG 99-87-6	p-Isopropyltoluene	49		ug/L	2	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	98%		
D100414ALCS	D100414ALCS	ORG 106-46-7	1,4-Dichlorobenzene	46		ug/L	2	0.33	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	92%		
D100414ALCS	D100414ALCS	ORG 95-50-1	1,2-Dichlorobenzene	49		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	98%		
D100414ALCS	D100414ALCS	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	106%		
D100414ALCS	D100414ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	52		ug/L	5	1.59	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	104%		
D100414ALCS	D100414ALCS	ORG 87-68-3	Hexachlorobutadiene	52		ug/L	5	0.65	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	104%		
D100414ALCS	D100414ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	47		ug/L	5	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	94%		
D100414ALCS	D100414ALCS	ORG 91-20-3	Naphthalene	45		ug/L	5	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	90%		
D100414ALCS	D100414ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	102%		
D100414ALCS	D100414ALCS	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	102%		
D100414ALCS	D100414ALCS	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	100%		
D100414ALCS	D100414ALCS	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	98%		
D100414ALCS	D100414ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4867	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100414ALCD	D100414ALCD	ORG 75-71-8	Dichlorodifluoromethane	43		ug/L	5	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	86%	0%	
D100414ALCD	D100414ALCD	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	82%	7%	
D100414ALCD	D100414ALCD	ORG 75-01-4	Vinyl chloride	43		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	86%	7%	
D100414ALCD	D100414ALCD	ORG 74-83-9	Bromomethane	54		ug/L	5	0.50	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	108%	37%	
D100414ALCD	D100414ALCD	ORG 75-00-3	Chloroethane	42		ug/L	5	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	84%	10%	
D100414ALCD	D100414ALCD	ORG 75-69-4	Trichlorofluoromethane	110		ug/L	5	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	220%	72%	
D100414ALCD	D100414ALCD	ORG 75-35-4	1,1-Dichloroethene	38		ug/L	1	0.47	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	76%	20%	
D100414ALCD	D100414ALCD	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	90%	0%	
D100414ALCD	D100414ALCD	ORG 67-64-1	Acetone	65		ug/L	10	1.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	130%	6%	
D100414ALCD	D100414ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	43		ug/L	1	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	86%	5%	
D100414ALCD	D100414ALCD	ORG 1634-04-4	MTBE	45		ug/L	5	0.61	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	90%	4%	
D100414ALCD	D100414ALCD	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	88%	0%	
D100414ALCD	D100414ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	44		ug/L	1	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	88%	2%	
D100414ALCD	D100414ALCD	ORG 74-97-5	Bromochloromethane	43		ug/L	10	0.41	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	86%	2%	
D100414ALCD	D100414ALCD	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	88%	0%	
D100414ALCD	D100414ALCD	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	94%	2%	
D100414ALCD	D100414ALCD	ORG 78-93-3	2-Butanone	46		ug/L	1	0.81	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	92%	8%	
D100414ALCD	D100414ALCD	ORG 56-23-5	Carbon tetrachloride	47		ug/L	1	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	94%	4%	
D100414ALCD	D100414ALCD	ORG 71-43-2	Benzene	45		ug/L	1	0.14	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	90%	2%	
D100414ALCD	D100414ALCD	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	90%	2%	
D100414ALCD	D100414ALCD	ORG 79-01-6	Trichloroethene	46		ug/L	1	0.36	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	92%	0%	
D100414ALCD	D100414ALCD	ORG 74-95-3	Dibromomethane	44		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	88%	4%	
D100414ALCD	D100414ALCD	ORG 78-87-5	1,2-Dichloropropane	46		ug/L	1	0.18	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	92%	2%	
D100414ALCD	D100414ALCD	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	94%	2%	
D100414ALCD	D100414ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	49		ug/L	1	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	98%	2%	
D100414ALCD	D100414ALCD	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	90%	2%	
D100414ALCD	D100414ALCD	ORG 108-10-1	4-Methyl-2-pentanone	46		ug/L	5	0.74	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	92%	10%	
D100414ALCD	D100414ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	52		ug/L	1	0.31	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	104%	4%	
D100414ALCD	D100414ALCD	ORG 127-18-4	Tetrachloroethene	40		ug/L	1	0.49	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	80%	2%	
D100414ALCD	D100414ALCD	ORG 79-00-5	1,1,2-Trichloroethane	41		ug/L	1	0.34	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	82%	2%	
D100414ALCD	D100414ALCD	ORG 124-48-1	Dibromochloromethane	48		ug/L	5	0.30	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	96%	4%	
D100414ALCD	D100414ALCD	ORG 106-93-4	1,2-Dibromoethane	44		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	88%	9%	
D100414ALCD	D100414ALCD	ORG 591-78-6	2-Hexanone	61		ug/L	2	0.69	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	122%	2%	
D100414ALCD	D100414ALCD	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	106%	4%	
D100414ALCD	D100414ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	94%	7%	
D100414ALCD	D100414ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	100%	4%	
D100414ALCD	D100414ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	100	110%	10%	
D100414ALCD	D100414ALCD	ORG 95-47-6	o-Xylene	55		ug/L	1	0.13	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	110%	4%	
D100414ALCD	D100414ALCD	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	98%	2%	
D100414ALCD	D100414ALCD	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	96%	4%	
D100414ALCD	D100414ALCD	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	104%	6%	
D100414ALCD	D100414ALCD	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	108%	4%	
D100414ALCD	D100414ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	42		ug/L	2	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	84%	7%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100414ALCD	D100414ALCD	ORG 96-18-4	1,2,3-Trichloropropane	42		ug/L	2	0.29	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	84%	7%	
D100414ALCD	D100414ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	54		ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	108%	4%	
D100414ALCD	D100414ALCD	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	106%	4%	
D100414ALCD	D100414ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	100%	4%	
D100414ALCD	D100414ALCD	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	102%	2%	
D100414ALCD	D100414ALCD	ORG 541-73-1	1,3-Dichlorobenzene	49		ug/L	2	0.22	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	98%	2%	
D100414ALCD	D100414ALCD	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	100%	2%	
D100414ALCD	D100414ALCD	ORG 106-46-7	1,4-Dichlorobenzene	46		ug/L	2	0.33	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	92%	0%	
D100414ALCD	D100414ALCD	ORG 95-50-1	1,2-Dichlorobenzene	48		ug/L	2	0.26	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	96%	2%	
D100414ALCD	D100414ALCD	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	110%	4%	
D100414ALCD	D100414ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	45		ug/L	5	1.59	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	90%	14%	
D100414ALCD	D100414ALCD	ORG 87-68-3	Hexachlorobutadiene	56		ug/L	5	0.65	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	112%	7%	
D100414ALCD	D100414ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	92%	2%	
D100414ALCD	D100414ALCD	ORG 91-20-3	Naphthalene	40		ug/L	5	0.56	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	80%	12%	
D100414ALCD	D100414ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	100%	2%	
D100414ALCD	D100414ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	100%	2%	
D100414ALCD	D100414ALCD	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	100%	0%	
D100414ALCD	D100414ALCD	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	100%	2%	
D100414ALCD	D100414ALCD	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	NA	10/4/2014	10/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4871	50	108%	4%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1703MS	T1-026	ORG 75-71-8	Dichlorodifluoromethane	4400		ug/L	500	29.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	88%		
NAL13026-1703MS	T1-026	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	88%		
NAL13026-1703MS	T1-026	ORG 75-01-4	Vinyl chloride	4000		ug/L	200	31.86	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	80%		
NAL13026-1703MS	T1-026	ORG 74-83-9	Bromomethane	3600		ug/L	500	50.04	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	72%		
NAL13026-1703MS	T1-026	ORG 75-00-3	Chloroethane	3900		ug/L	500	55.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	78%		
NAL13026-1703MS	T1-026	ORG 75-69-4	Trichlorofluoromethane	5500		ug/L	500	19.65	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	110%		
NAL13026-1703MS	T1-026	ORG 75-35-4	1,1-Dichloroethene	3500		ug/L	100	47.11	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	70%		
NAL13026-1703MS	T1-026	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	88%		
NAL13026-1703MS	T1-026	ORG 67-64-1	Acetone	85000		ug/L	1000	155.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	120%		79000
NAL13026-1703MS	T1-026	ORG 156-60-5	trans-1,2-Dichloroethene	4300		ug/L	100	55.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	86%		
NAL13026-1703MS	T1-026	ORG 1634-04-4	MTBE	4400		ug/L	500	61.18	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	88%		
NAL13026-1703MS	T1-026	ORG 75-34-3	1,1-Dichloroethane	4300		ug/L	100	52.66	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	86%		
NAL13026-1703MS	T1-026	ORG 156-59-2	cis-1,2-Dichloroethene	4600		ug/L	100	32.11	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	92%		
NAL13026-1703MS	T1-026	ORG 74-97-5	Bromochloromethane	4300		ug/L	1000	41.37	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	86%		
NAL13026-1703MS	T1-026	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	90%		
NAL13026-1703MS	T1-026	ORG 71-55-6	1,1,1-Trichloroethane	4700		ug/L	100	16.65	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	94%		
NAL13026-1703MS	T1-026	ORG 78-93-3	2-Butanone	19000		ug/L	100	81.18	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	160%		11000
NAL13026-1703MS	T1-026	ORG 56-23-5	Carbon tetrachloride	4800		ug/L	100	27.64	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	96%		
NAL13026-1703MS	T1-026	ORG 71-43-2	Benzene	4500		ug/L	100	13.53	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	90%		
NAL13026-1703MS	T1-026	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	92%		
NAL13026-1703MS	T1-026	ORG 79-01-6	Trichloroethene	4600		ug/L	100	36.33	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	92%		
NAL13026-1703MS	T1-026	ORG 74-95-3	Dibromomethane	4600		ug/L	200	32.20	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	92%		
NAL13026-1703MS	T1-026	ORG 78-87-5	1,2-Dichloropropane	4700		ug/L	100	18.17	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	94%		
NAL13026-1703MS	T1-026	ORG 75-27-4	Bromodichloromethane	4900		ug/L	200	11.58	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	98%		
NAL13026-1703MS	T1-026	ORG 10061-01-5	cis-1,3-Dichloropropene	5100		ug/L	100	25.01	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	102%		
NAL13026-1703MS	T1-026	ORG 108-88-3	Toluene	4500		ug/L	100	20.96	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	90%		
NAL13026-1703MS	T1-026	ORG 108-10-1	4-Methyl-2-pentanone	4700		ug/L	500	74.00	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	90%		180
NAL13026-1703MS	T1-026	ORG 10061-02-6	trans-1,3-Dichloropropene	5400		ug/L	100	31.15	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	108%		
NAL13026-1703MS	T1-026	ORG 127-18-4	Tetrachloroethene	4200		ug/L	100	48.56	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	84%		
NAL13026-1703MS	T1-026	ORG 79-00-5	1,1,2-Trichloroethane	4400		ug/L	100	34.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	88%		
NAL13026-1703MS	T1-026	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	100%		
NAL13026-1703MS	T1-026	ORG 106-93-4	1,2-Dibromoethane	4800		ug/L	200	26.49	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	96%		
NAL13026-1703MS	T1-026	ORG 591-78-6	2-Hexanone	4000		ug/L	200	68.90	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	80%		
NAL13026-1703MS	T1-026	ORG 100-41-4	Ethylbenzene	5100		ug/L	100	25.38	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	102%		
NAL13026-1703MS	T1-026	ORG 108-90-7	Chlorobenzene	4500		ug/L	100	27.52	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	90%		
NAL13026-1703MS	T1-026	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	98%		
NAL13026-1703MS	T1-026	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	10000	110%		
NAL13026-1703MS	T1-026	ORG 95-47-6	o-Xylene	5500		ug/L	100	12.90	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	110%		
NAL13026-1703MS	T1-026	ORG 100-42-5	Styrene	4900		ug/L	100	20.23	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	98%		
NAL13026-1703MS	T1-026	ORG 75-25-2	Bromoform	5000		ug/L	200	46.83	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	100%		
NAL13026-1703MS	T1-026	ORG 98-82-8	Isopropylbenzene	5100		ug/L	200	20.48	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	102%		
NAL13026-1703MS	T1-026	ORG 103-65-1	n-Propylbenzene	5400		ug/L	200	27.00	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	108%		
NAL13026-1703MS	T1-026	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4500		ug/L	200	29.16	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	90%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1703MS	T1-026	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	92%		
NAL13026-1703MS	T1-026	ORG 108-67-8	1,3,5-Trimethylbenzene	5300		ug/L	200	20.03	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	106%		
NAL13026-1703MS	T1-026	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	104%		
NAL13026-1703MS	T1-026	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	100%		
NAL13026-1703MS	T1-026	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	102%		
NAL13026-1703MS	T1-026	ORG 541-73-1	1,3-Dichlorobenzene	4900		ug/L	200	22.21	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	98%		
NAL13026-1703MS	T1-026	ORG 99-87-6	p-Isopropyltoluene	5000		ug/L	200	25.48	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	94%		290
NAL13026-1703MS	T1-026	ORG 106-46-7	1,4-Dichlorobenzene	4700		ug/L	200	33.03	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	94%		
NAL13026-1703MS	T1-026	ORG 95-50-1	1,2-Dichlorobenzene	5000		ug/L	200	26.38	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	100%		
NAL13026-1703MS	T1-026	ORG 104-51-8	n-Butylbenzene	5600		ug/L	500	27.81	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	112%		
NAL13026-1703MS	T1-026	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5400		ug/L	500	159.11	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	108%		
NAL13026-1703MS	T1-026	ORG 87-68-3	Hexachlorobutadiene	5600		ug/L	500	65.42	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	112%		
NAL13026-1703MS	T1-026	ORG 120-82-1	1,2,4-Trichlorobenzene	5100		ug/L	500	27.63	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	102%		
NAL13026-1703MS	T1-026	ORG 91-20-3	Naphthalene	5000		ug/L	500	56.04	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	98%		110
NAL13026-1703MS	T1-026	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	5000	104%		
NAL13026-1703MS	T1-026	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	50	100%		
NAL13026-1703MS	T1-026	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	50	98%		
NAL13026-1703MS	T1-026	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	50	98%		
NAL13026-1703MS	T1-026	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4872	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1703MSD	T1-026	ORG 75-71-8	Dichlorodifluoromethane	4200		ug/L	500	29.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	84%	5%	
NAL13026-1703MSD	T1-026	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	88%	0%	
NAL13026-1703MSD	T1-026	ORG 75-01-4	Vinyl chloride	3900		ug/L	200	31.86	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	78%	3%	
NAL13026-1703MSD	T1-026	ORG 74-83-9	Bromomethane	3500		ug/L	500	50.04	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	70%	3%	
NAL13026-1703MSD	T1-026	ORG 75-00-3	Chloroethane	3800		ug/L	500	55.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	76%	3%	
NAL13026-1703MSD	T1-026	ORG 75-69-4	Trichlorofluoromethane	5300		ug/L	500	19.65	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	106%	4%	
NAL13026-1703MSD	T1-026	ORG 75-35-4	1,1-Dichloroethene	4000		ug/L	100	47.11	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	80%	13%	
NAL13026-1703MSD	T1-026	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	88%	0%	
NAL13026-1703MSD	T1-026	ORG 67-64-1	Acetone	85000		ug/L	1000	155.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	120%	0%	79000
NAL13026-1703MSD	T1-026	ORG 156-60-5	trans-1,2-Dichloroethene	4300		ug/L	100	55.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	86%	0%	
NAL13026-1703MSD	T1-026	ORG 1634-04-4	MTBE	4600		ug/L	500	61.18	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	92%	4%	
NAL13026-1703MSD	T1-026	ORG 75-34-3	1,1-Dichloroethane	4300		ug/L	100	52.66	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	86%	0%	
NAL13026-1703MSD	T1-026	ORG 156-59-2	cis-1,2-Dichloroethene	4600		ug/L	100	32.11	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	92%	0%	
NAL13026-1703MSD	T1-026	ORG 74-97-5	Bromochloromethane	4400		ug/L	1000	41.37	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	88%	2%	
NAL13026-1703MSD	T1-026	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	90%	0%	
NAL13026-1703MSD	T1-026	ORG 71-55-6	1,1,1-Trichloroethane	4700		ug/L	100	16.65	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	94%	0%	
NAL13026-1703MSD	T1-026	ORG 78-93-3	2-Butanone	19000		ug/L	100	81.18	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	160%	0%	11000
NAL13026-1703MSD	T1-026	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	98%	2%	
NAL13026-1703MSD	T1-026	ORG 71-43-2	Benzene	4600		ug/L	100	13.53	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	92%	2%	
NAL13026-1703MSD	T1-026	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	92%	0%	
NAL13026-1703MSD	T1-026	ORG 79-01-6	Trichloroethene	4500		ug/L	100	36.33	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	90%	2%	
NAL13026-1703MSD	T1-026	ORG 74-95-3	Dibromomethane	4700		ug/L	200	32.20	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	94%	2%	
NAL13026-1703MSD	T1-026	ORG 78-87-5	1,2-Dichloropropane	4900		ug/L	100	18.17	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	98%	4%	
NAL13026-1703MSD	T1-026	ORG 75-27-4	Bromodichloromethane	4800		ug/L	200	11.58	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	96%	2%	
NAL13026-1703MSD	T1-026	ORG 10061-01-5	cis-1,3-Dichloropropene	5100		ug/L	100	25.01	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	102%	0%	
NAL13026-1703MSD	T1-026	ORG 108-88-3	Toluene	4400		ug/L	100	20.96	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	88%	2%	
NAL13026-1703MSD	T1-026	ORG 108-10-1	4-Methyl-2-pentanone	4700		ug/L	500	74.00	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	90%	0%	180
NAL13026-1703MSD	T1-026	ORG 10061-02-6	trans-1,3-Dichloropropene	5300		ug/L	100	31.15	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	106%	2%	
NAL13026-1703MSD	T1-026	ORG 127-18-4	Tetrachloroethene	4200		ug/L	100	48.56	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	84%	0%	
NAL13026-1703MSD	T1-026	ORG 79-00-5	1,1,2-Trichloroethane	4300		ug/L	100	34.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	86%	2%	
NAL13026-1703MSD	T1-026	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	98%	2%	
NAL13026-1703MSD	T1-026	ORG 106-93-4	1,2-Dibromoethane	4800		ug/L	200	26.49	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	96%	0%	
NAL13026-1703MSD	T1-026	ORG 591-78-6	2-Hexanone	3800		ug/L	200	68.90	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	76%	5%	
NAL13026-1703MSD	T1-026	ORG 100-41-4	Ethylbenzene	5100		ug/L	100	25.38	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	102%	0%	
NAL13026-1703MSD	T1-026	ORG 108-90-7	Chlorobenzene	4600		ug/L	100	27.52	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	92%	2%	
NAL13026-1703MSD	T1-026	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	98%	0%	
NAL13026-1703MSD	T1-026	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	10000	110%	0%	
NAL13026-1703MSD	T1-026	ORG 95-47-6	o-Xylene	5500		ug/L	100	12.90	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	110%	0%	
NAL13026-1703MSD	T1-026	ORG 100-42-5	Styrene	4900		ug/L	100	20.23	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	98%	0%	
NAL13026-1703MSD	T1-026	ORG 75-25-2	Bromoform	5000		ug/L	200	46.83	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	100%	0%	
NAL13026-1703MSD	T1-026	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	104%	2%	
NAL13026-1703MSD	T1-026	ORG 103-65-1	n-Propylbenzene	5300		ug/L	200	27.00	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	106%	2%	
NAL13026-1703MSD	T1-026	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29.16	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	92%	2%	

Confidential
D100414AKCF



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1703MSD	T1-026	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	92%	0%	
NAL13026-1703MSD	T1-026	ORG 108-67-8	1,3,5-Trimethylbenzene	5300		ug/L	200	20.03	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	106%	0%	
NAL13026-1703MSD	T1-026	ORG 98-06-6	tert-Butylbenzene	5100		ug/L	200	32.61	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	102%	2%	
NAL13026-1703MSD	T1-026	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	100%	0%	
NAL13026-1703MSD	T1-026	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	102%	0%	
NAL13026-1703MSD	T1-026	ORG 541-73-1	1,3-Dichlorobenzene	4900		ug/L	200	22.21	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	98%	0%	
NAL13026-1703MSD	T1-026	ORG 99-87-6	p-Isopropyltoluene	5100		ug/L	200	25.48	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	96%	2%	290
NAL13026-1703MSD	T1-026	ORG 106-46-7	1,4-Dichlorobenzene	4700		ug/L	200	33.03	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	94%	0%	
NAL13026-1703MSD	T1-026	ORG 95-50-1	1,2-Dichlorobenzene	4900		ug/L	200	26.38	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	98%	2%	
NAL13026-1703MSD	T1-026	ORG 104-51-8	n-Butylbenzene	5500		ug/L	500	27.81	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	110%	2%	
NAL13026-1703MSD	T1-026	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5600		ug/L	500	159.11	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	112%	4%	
NAL13026-1703MSD	T1-026	ORG 87-68-3	Hexachlorobutadiene	5500		ug/L	500	65.42	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	110%	2%	
NAL13026-1703MSD	T1-026	ORG 120-82-1	1,2,4-Trichlorobenzene	5000		ug/L	500	27.63	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	100%	2%	
NAL13026-1703MSD	T1-026	ORG 91-20-3	Naphthalene	5300		ug/L	500	56.04	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	104%	6%	110
NAL13026-1703MSD	T1-026	ORG 87-61-6	1,2,3-Trichlorobenzene	5500		ug/L	500	23.28	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	5000	110%	6%	
NAL13026-1703MSD	T1-026	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	50	100%	0%	
NAL13026-1703MSD	T1-026	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	50	102%	4%	
NAL13026-1703MSD	T1-026	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	50	98%	0%	
NAL13026-1703MSD	T1-026	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/4/2014	10/4/2014	10/4/2014	WG	100	NA	5.0	NA	SW8260B	NALD4873	50	104%	0%	

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1704	T1-027	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 75-00-3	Chloroethane		UX-	ug/L	500	55.61	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 75-35-4	1,1-Dichloroethene		UX-	ug/L	100	47.11	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 67-64-1	Acetone	100000	D	ug/L	10000	1556.07	10/5/2014	10/5/2014	10/5/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4879				
NAL13026-1704	T1-027	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 78-93-3	2-Butanone	15000		ug/L	1000	81.18	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 108-10-1	4-Methyl-2-pentanone	220	J	ug/L	500	74.00	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 591-78-6	2-Hexanone	170	JX+	ug/L	500	68.90	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1704	T1-027	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 95-63-6	1,2,4-Trimethylbenzene	210		ug/L	200	20.03	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 99-87-6	p-Isopropyltoluene	300		ug/L	200	25.48	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 106-46-7	1,4-Dichlorobenzene	54	J	ug/L	200	33.03	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 91-20-3	Naphthalene	280	JX-	ug/L	500	56.04	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878				
NAL13026-1704	T1-027	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878	50	98%		
NAL13026-1704	T1-027	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878	50	104%		
NAL13026-1704	T1-027	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878	50	104%		
NAL13026-1704	T1-027	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALD4878	50	110%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100514CCVA	D100514CCVA	ORG 75-71-8	Dichlorodifluoromethane	42		ug/L	5	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	84%		
D100514CCVA	D100514CCVA	ORG 74-87-3	Chloromethane	45		ug/L	5	0.43	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	90%		
D100514CCVA	D100514CCVA	ORG 75-01-4	Vinyl chloride	44		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	88%		
D100514CCVA	D100514CCVA	ORG 74-83-9	Bromomethane	52		ug/L	5	0.50	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	104%		
D100514CCVA	D100514CCVA	ORG 75-00-3	Chloroethane	38		ug/L	5	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	76%		
D100514CCVA	D100514CCVA	ORG 75-69-4	Trichlorofluoromethane	66		ug/L	5	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	132%		
D100514CCVA	D100514CCVA	ORG 75-35-4	1,1-Dichloroethene	36		ug/L	1	0.47	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	72%		
D100514CCVA	D100514CCVA	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	92%		
D100514CCVA	D100514CCVA	ORG 67-64-1	Acetone	57		ug/L	10	1.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	114%		
D100514CCVA	D100514CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	44		ug/L	1	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	88%		
D100514CCVA	D100514CCVA	ORG 1634-04-4	MTBE	46		ug/L	1	0.61	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	92%		
D100514CCVA	D100514CCVA	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	88%		
D100514CCVA	D100514CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	47		ug/L	1	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	94%		
D100514CCVA	D100514CCVA	ORG 74-97-5	Bromochloromethane	44		ug/L	10	0.41	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	88%		
D100514CCVA	D100514CCVA	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	88%		
D100514CCVA	D100514CCVA	ORG 71-55-6	1,1,1-Trichloroethane	46		ug/L	1	0.17	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	92%		
D100514CCVA	D100514CCVA	ORG 78-93-3	2-Butanone	45		ug/L	1	0.81	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	90%		
D100514CCVA	D100514CCVA	ORG 56-23-5	Carbon tetrachloride	46		ug/L	1	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	92%		
D100514CCVA	D100514CCVA	ORG 71-43-2	Benzene	46		ug/L	1	0.14	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	92%		
D100514CCVA	D100514CCVA	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	88%		
D100514CCVA	D100514CCVA	ORG 79-01-6	Trichloroethene	46		ug/L	1	0.36	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	92%		
D100514CCVA	D100514CCVA	ORG 74-95-3	Dibromomethane	43		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	86%		
D100514CCVA	D100514CCVA	ORG 78-87-5	1,2-Dichloropropane	46		ug/L	1	0.18	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	92%		
D100514CCVA	D100514CCVA	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	92%		
D100514CCVA	D100514CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	51		ug/L	1	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	102%		
D100514CCVA	D100514CCVA	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	90%		
D100514CCVA	D100514CCVA	ORG 108-10-1	4-Methyl-2-pentanone	47		ug/L	5	0.74	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	94%		
D100514CCVA	D100514CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	52		ug/L	1	0.31	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	104%		
D100514CCVA	D100514CCVA	ORG 127-18-4	Tetrahydroethene	41		ug/L	1	0.49	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	82%		
D100514CCVA	D100514CCVA	ORG 79-00-5	1,1,2-Trichloroethane	41		ug/L	1	0.34	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	82%		
D100514CCVA	D100514CCVA	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	98%		
D100514CCVA	D100514CCVA	ORG 106-93-4	1,2-Dibromoethane	45		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	90%		
D100514CCVA	D100514CCVA	ORG 591-78-6	2-Hexanone	61		ug/L	2	0.69	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	122%		
D100514CCVA	D100514CCVA	ORG 100-41-4	Ethylbenzene	52		ug/L	1	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	104%		
D100514CCVA	D100514CCVA	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	92%		
D100514CCVA	D100514CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	48		ug/L	2	0.19	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	96%		
D100514CCVA	D100514CCVA	ORG XYLMP	p&m-Xylene	100		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	100	100%		
D100514CCVA	D100514CCVA	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	106%		
D100514CCVA	D100514CCVA	ORG 100-42-5	Styrene	48		ug/L	1	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	96%		
D100514CCVA	D100514CCVA	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	96%		
D100514CCVA	D100514CCVA	ORG 98-82-8	Isopropylbenzene	51		ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	102%		
D100514CCVA	D100514CCVA	ORG 103-65-1	n-Propylbenzene	53		ug/L	2	0.27	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	106%		
D100514CCVA	D100514CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	42		ug/L	2	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	84%		
D100514CCVA	D100514CCVA	ORG 96-18-4	1,2,3-Trichloropropane	42		ug/L	2	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	84%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100514CCVA	D100514CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	106%		
D100514CCVA	D100514CCVA	ORG 98-06-6	tert-Butylbenzene	51		ug/L	2	0.33	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	102%		
D100514CCVA	D100514CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	49		ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	98%		
D100514CCVA	D100514CCVA	ORG 135-98-8	sec-Butylbenzene	50		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	100%		
D100514CCVA	D100514CCVA	ORG 541-73-1	1,3-Dichlorobenzene	48		ug/L	2	0.22	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	96%		
D100514CCVA	D100514CCVA	ORG 99-87-6	p-Isopropyltoluene	49		ug/L	2	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	98%		
D100514CCVA	D100514CCVA	ORG 106-46-7	1,4-Dichlorobenzene	45		ug/L	2	0.33	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	90%		
D100514CCVA	D100514CCVA	ORG 95-50-1	1,2-Dichlorobenzene	48		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	96%		
D100514CCVA	D100514CCVA	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	108%		
D100514CCVA	D100514CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	46		ug/L	5	1.59	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	92%		
D100514CCVA	D100514CCVA	ORG 87-68-3	Hexachlorobutadiene	52		ug/L	5	0.65	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	104%		
D100514CCVA	D100514CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	47		ug/L	5	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	94%		
D100514CCVA	D100514CCVA	ORG 91-20-3	Naphthalene	40		ug/L	5	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	80%		
D100514CCVA	D100514CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	98%		
D100514CCVA	D100514CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	98%		
D100514CCVA	D100514CCVA	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	94%		
D100514CCVA	D100514CCVA	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	96%		
D100514CCVA	D100514CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4875	50	102%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100514MBKA	D100514MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 96-18-4	1,2,3-Trichloropropane	U		ug/L	2	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100514MBKA	D100514MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877				
D100514MBKA	D100514MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877	50	98%		
D100514MBKA	D100514MBKA	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877	50	104%		
D100514MBKA	D100514MBKA	STD 2037-26-5	Toluene d8	53		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877	50	106%		
D100514MBKA	D100514MBKA	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4877	50	108%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100514ALCS	D100514ALCS	ORG 75-71-8	Dichlorodifluoromethane	40		ug/L	5	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	80%		
D100514ALCS	D100514ALCS	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	82%		
D100514ALCS	D100514ALCS	ORG 75-01-4	Vinyl chloride	38		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	76%		
D100514ALCS	D100514ALCS	ORG 74-83-9	Bromomethane	36		ug/L	5	0.50	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	72%		
D100514ALCS	D100514ALCS	ORG 75-00-3	Chloroethane	34		ug/L	5	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	68%		
D100514ALCS	D100514ALCS	ORG 75-69-4	Trichlorofluoromethane	51		ug/L	5	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	102%		
D100514ALCS	D100514ALCS	ORG 75-35-4	1,1-Dichloroethene	31		ug/L	1	0.47	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	62%		
D100514ALCS	D100514ALCS	ORG 75-09-2	Methylene chloride	43		ug/L	5	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	86%		
D100514ALCS	D100514ALCS	ORG 67-64-1	Acetone	64		ug/L	10	1.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	128%		
D100514ALCS	D100514ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	40		ug/L	1	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	80%		
D100514ALCS	D100514ALCS	ORG 1634-04-4	MTBE	45		ug/L	1	0.61	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	90%		
D100514ALCS	D100514ALCS	ORG 75-34-3	1,1-Dichloroethane	41		ug/L	1	0.53	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	82%		
D100514ALCS	D100514ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	44		ug/L	1	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	88%		
D100514ALCS	D100514ALCS	ORG 74-97-5	Bromochloromethane	43		ug/L	10	0.41	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	86%		
D100514ALCS	D100514ALCS	ORG 67-66-3	Chloroform	42		ug/L	2	0.16	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	84%		
D100514ALCS	D100514ALCS	ORG 71-55-6	1,1,1-Trichloroethane	44		ug/L	1	0.17	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	88%		
D100514ALCS	D100514ALCS	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	100%		
D100514ALCS	D100514ALCS	ORG 56-23-5	Carbon tetrachloride	44		ug/L	1	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	88%		
D100514ALCS	D100514ALCS	ORG 71-43-2	Benzene	44		ug/L	1	0.14	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	88%		
D100514ALCS	D100514ALCS	ORG 107-06-2	1,2-Dichloroethane	43		ug/L	1	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	86%		
D100514ALCS	D100514ALCS	ORG 79-01-6	Trichloroethene	44		ug/L	1	0.36	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	88%		
D100514ALCS	D100514ALCS	ORG 74-95-3	Dibromomethane	43		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	86%		
D100514ALCS	D100514ALCS	ORG 78-87-5	1,2-Dichloropropane	44		ug/L	1	0.18	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	88%		
D100514ALCS	D100514ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	92%		
D100514ALCS	D100514ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	48		ug/L	1	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	96%		
D100514ALCS	D100514ALCS	ORG 108-88-3	Toluene	43		ug/L	1	0.21	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	86%		
D100514ALCS	D100514ALCS	ORG 108-10-1	4-Methyl-2-pentanone	49		ug/L	5	0.74	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	98%		
D100514ALCS	D100514ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	51		ug/L	1	0.31	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	102%		
D100514ALCS	D100514ALCS	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	82%		
D100514ALCS	D100514ALCS	ORG 79-00-5	1,1,2-Trichloroethane	41		ug/L	1	0.34	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	82%		
D100514ALCS	D100514ALCS	ORG 124-48-1	Dibromochloromethane	47		ug/L	5	0.30	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	94%		
D100514ALCS	D100514ALCS	ORG 106-93-4	1,2-Dibromoethane	46		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	92%		
D100514ALCS	D100514ALCS	ORG 591-78-6	2-Hexanone	70		ug/L	2	0.69	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	140%		
D100514ALCS	D100514ALCS	ORG 100-41-4	Ethylbenzene	51		ug/L	1	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	102%		
D100514ALCS	D100514ALCS	ORG 108-90-7	Chlorobenzene	45		ug/L	1	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	90%		
D100514ALCS	D100514ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	48		ug/L	2	0.19	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	96%		
D100514ALCS	D100514ALCS	ORG XYLMP	p&w-Xylene	100		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	100	100%		
D100514ALCS	D100514ALCS	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	106%		
D100514ALCS	D100514ALCS	ORG 100-42-5	Styrene	47		ug/L	1	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	94%		
D100514ALCS	D100514ALCS	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	98%		
D100514ALCS	D100514ALCS	ORG 98-82-8	Isopropylbenzene	50		ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	100%		
D100514ALCS	D100514ALCS	ORG 103-65-1	n-Propylbenzene	53		ug/L	2	0.27	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	106%		
D100514ALCS	D100514ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	90%		
D100514ALCS	D100514ALCS	ORG 96-18-4	1,2,3-Trichloropropane	43		ug/L	2	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	86%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100514ALCS	D100514ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	104%		
D100514ALCS	D100514ALCS	ORG 98-06-6	tert-Butylbenzene	51		ug/L	2	0.33	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	102%		
D100514ALCS	D100514ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	48		ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	96%		
D100514ALCS	D100514ALCS	ORG 135-98-8	sec-Butylbenzene	49		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	98%		
D100514ALCS	D100514ALCS	ORG 541-73-1	1,3-Dichlorobenzene	48		ug/L	2	0.22	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	96%		
D100514ALCS	D100514ALCS	ORG 99-87-6	p-Isopropyltoluene	49		ug/L	2	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	98%		
D100514ALCS	D100514ALCS	ORG 106-46-7	1,4-Dichlorobenzene	46		ug/L	2	0.33	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	92%		
D100514ALCS	D100514ALCS	ORG 95-50-1	1,2-Dichlorobenzene	47		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	94%		
D100514ALCS	D100514ALCS	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	106%		
D100514ALCS	D100514ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	48		ug/L	5	1.59	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	96%		
D100514ALCS	D100514ALCS	ORG 87-68-3	Hexachlorobutadiene	54		ug/L	5	0.65	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	108%		
D100514ALCS	D100514ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	47		ug/L	5	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	94%		
D100514ALCS	D100514ALCS	ORG 91-20-3	Naphthalene	45		ug/L	5	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	90%		
D100514ALCS	D100514ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	102%		
D100514ALCS	D100514ALCS	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	96%		
D100514ALCS	D100514ALCS	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	94%		
D100514ALCS	D100514ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	96%		
D100514ALCS	D100514ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4876	50	104%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100514ALCD	D100514ALCD	ORG 75-71-8	Dichlorodifluoromethane	42		ug/L	5	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	84%	5%	
D100514ALCD	D100514ALCD	ORG 74-87-3	Chloromethane	40		ug/L	5	0.43	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	80%	2%	
D100514ALCD	D100514ALCD	ORG 75-01-4	Vinyl chloride	39		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	78%	3%	
D100514ALCD	D100514ALCD	ORG 74-83-9	Bromomethane	50		ug/L	5	0.50	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	100%	33%	
D100514ALCD	D100514ALCD	ORG 75-00-3	Chloroethane	39		ug/L	5	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	78%	14%	
D100514ALCD	D100514ALCD	ORG 75-69-4	Trichlorofluoromethane	98		ug/L	5	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	196%	63%	
D100514ALCD	D100514ALCD	ORG 75-35-4	1,1-Dichloroethene	34		ug/L	1	0.47	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	68%	9%	
D100514ALCD	D100514ALCD	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	90%	5%	
D100514ALCD	D100514ALCD	ORG 67-64-1	Acetone	48		ug/L	10	1.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	96%	29%	
D100514ALCD	D100514ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	43		ug/L	1	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	86%	7%	
D100514ALCD	D100514ALCD	ORG 1634-04-4	MTBE	44		ug/L	5	0.61	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	88%	2%	
D100514ALCD	D100514ALCD	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	88%	7%	
D100514ALCD	D100514ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	45		ug/L	1	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	90%	2%	
D100514ALCD	D100514ALCD	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	90%	5%	
D100514ALCD	D100514ALCD	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	90%	7%	
D100514ALCD	D100514ALCD	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	96%	9%	
D100514ALCD	D100514ALCD	ORG 78-93-3	2-Butanone	47		ug/L	1	0.81	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	94%	6%	
D100514ALCD	D100514ALCD	ORG 56-23-5	Carbon tetrachloride	48		ug/L	1	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	96%	9%	
D100514ALCD	D100514ALCD	ORG 71-43-2	Benzene	46		ug/L	1	0.14	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	92%	4%	
D100514ALCD	D100514ALCD	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	92%	7%	
D100514ALCD	D100514ALCD	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	94%	7%	
D100514ALCD	D100514ALCD	ORG 74-95-3	Dibromomethane	45		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	90%	5%	
D100514ALCD	D100514ALCD	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	94%	7%	
D100514ALCD	D100514ALCD	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	96%	4%	
D100514ALCD	D100514ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	50		ug/L	1	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	100%	4%	
D100514ALCD	D100514ALCD	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	90%	5%	
D100514ALCD	D100514ALCD	ORG 108-10-1	4-Methyl-2-pentanone	45		ug/L	5	0.74	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	90%	9%	
D100514ALCD	D100514ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	108%	6%	
D100514ALCD	D100514ALCD	ORG 127-18-4	Tetrachloroethene	42		ug/L	1	0.49	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	84%	2%	
D100514ALCD	D100514ALCD	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	88%	7%	
D100514ALCD	D100514ALCD	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	100%	6%	
D100514ALCD	D100514ALCD	ORG 106-93-4	1,2-Dibromoethane	46		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	92%	0%	
D100514ALCD	D100514ALCD	ORG 591-78-6	2-Hexanone	62		ug/L	2	0.69	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	124%	12%	
D100514ALCD	D100514ALCD	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	106%	4%	
D100514ALCD	D100514ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	94%	4%	
D100514ALCD	D100514ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	102%	6%	
D100514ALCD	D100514ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	100	110%	10%	
D100514ALCD	D100514ALCD	ORG 95-47-6	o-Xylene	55		ug/L	1	0.13	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	110%	4%	
D100514ALCD	D100514ALCD	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	100%	6%	
D100514ALCD	D100514ALCD	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	100%	2%	
D100514ALCD	D100514ALCD	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	104%	4%	
D100514ALCD	D100514ALCD	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	110%	4%	
D100514ALCD	D100514ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	43		ug/L	2	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	86%	5%	
D100514ALCD	D100514ALCD	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	88%	2%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RFD	Parent
D100514ALCD	D100514ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	54		ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	108%	4%	
D100514ALCD	D100514ALCD	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	106%	4%	
D100514ALCD	D100514ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	102%	6%	
D100514ALCD	D100514ALCD	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	102%	4%	
D100514ALCD	D100514ALCD	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	100%	4%	
D100514ALCD	D100514ALCD	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	102%	4%	
D100514ALCD	D100514ALCD	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	94%	2%	
D100514ALCD	D100514ALCD	ORG 95-50-1	1,2-Dichlorobenzene	49		ug/L	2	0.26	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	98%	4%	
D100514ALCD	D100514ALCD	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	112%	6%	
D100514ALCD	D100514ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	43		ug/L	5	1.59	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	86%	11%	
D100514ALCD	D100514ALCD	ORG 87-68-3	Hexachlorobutadiene	56		ug/L	5	0.65	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	112%	4%	
D100514ALCD	D100514ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	48		ug/L	5	0.28	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	96%	2%	
D100514ALCD	D100514ALCD	ORG 91-20-3	Naphthalene	42		ug/L	5	0.56	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	84%	7%	
D100514ALCD	D100514ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	102%	0%	
D100514ALCD	D100514ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	98%	2%	
D100514ALCD	D100514ALCD	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	100%	6%	
D100514ALCD	D100514ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	96%	0%	
D100514ALCD	D100514ALCD	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/5/2014	10/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALJ	50	106%	2%	



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1704MS	T1-027	ORG 75-71-8	Dichlorodifluoromethane	4200		ug/L 500	500	29.28	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	84%			
NAL13026-1704MS	T1-027	ORG 74-87-3	Chloromethane	4300		ug/L 500	500	43.07	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	86%			
NAL13026-1704MS	T1-027	ORG 75-01-4	Vinyl chloride	3800		ug/L 200	200	31.86	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	76%			
NAL13026-1704MS	T1-027	ORG 74-83-9	Bromomethane	3400		ug/L 500	500	50.04	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	68%			
NAL13026-1704MS	T1-027	ORG 75-00-3	Chloroethane	3800		ug/L 500	500	55.61	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	76%			
NAL13026-1704MS	T1-027	ORG 75-69-4	Trichlorofluoromethane	5300		ug/L 500	500	19.65	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	106%			
NAL13026-1704MS	T1-027	ORG 75-35-4	1,1-Dichloroethene	3000		ug/L 100	100	47.11	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	60%			
NAL13026-1704MS	T1-027	ORG 75-09-2	Methylene chloride	4300		ug/L 500	500	26.46	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	86%			
NAL13026-1704MS	T1-027	ORG 67-64-1	Acetone	96000		ug/L 1000	1000	155.61	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	-80%		100000	
NAL13026-1704MS	T1-027	ORG 156-60-5	trans-1,2-Dichloroethene	4100		ug/L 100	100	55.61	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	82%			
NAL13026-1704MS	T1-027	ORG 1634-04-4	MTBE	4600		ug/L 500	500	61.18	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	92%			
NAL13026-1704MS	T1-027	ORG 75-34-3	1,1-Dichloroethane	4200		ug/L 100	100	52.66	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	84%			
NAL13026-1704MS	T1-027	ORG 156-59-2	cis-1,2-Dichloroethene	4500		ug/L 100	100	32.11	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	90%			
NAL13026-1704MS	T1-027	ORG 74-97-5	Bromochloromethane	4300		ug/L 1000	1000	41.37	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	86%			
NAL13026-1704MS	T1-027	ORG 67-66-3	Chloroform	4300		ug/L 200	200	15.73	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	86%			
NAL13026-1704MS	T1-027	ORG 71-55-6	1,1,1-Trichloroethane	4600		ug/L 100	100	16.65	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	92%			
NAL13026-1704MS	T1-027	ORG 78-93-3	2-Butanone	22000		ug/L 100	100	81.18	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	140%		15000	
NAL13026-1704MS	T1-027	ORG 56-23-5	Carbon tetrachloride	4900		ug/L 100	100	27.64	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	98%			
NAL13026-1704MS	T1-027	ORG 71-43-2	Benzene	4400		ug/L 100	100	13.53	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	88%			
NAL13026-1704MS	T1-027	ORG 107-06-2	1,2-Dichloroethane	4400		ug/L 100	200	20.01	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	88%			
NAL13026-1704MS	T1-027	ORG 79-01-6	Trichloroethene	4500		ug/L 100	100	36.33	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	90%			
NAL13026-1704MS	T1-027	ORG 74-95-3	Dibromomethane	4600		ug/L 200	200	32.20	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	92%			
NAL13026-1704MS	T1-027	ORG 78-87-5	1,2-Dichloropropane	4700		ug/L 100	100	18.17	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	94%			
NAL13026-1704MS	T1-027	ORG 75-27-4	Bromodichloromethane	4700		ug/L 200	200	11.58	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	94%			
NAL13026-1704MS	T1-027	ORG 10061-01-5	cis-1,3-Dichloropropene	5000		ug/L 100	200	25.01	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	100%			
NAL13026-1704MS	T1-027	ORG 108-88-3	Toluene	4400		ug/L 100	200	20.96	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	88%			
NAL13026-1704MS	T1-027	ORG 108-10-1	4-Methyl-2-pentanone	5100		ug/L 500	500	74.00	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	98%		220	
NAL13026-1704MS	T1-027	ORG 10061-02-6	trans-1,3-Dichloropropene	5200		ug/L 100	100	31.15	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	104%			
NAL13026-1704MS	T1-027	ORG 127-18-4	Tetrachloroethene	4200		ug/L 100	100	48.56	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	84%			
NAL13026-1704MS	T1-027	ORG 79-00-5	1,1,2-Trichloroethane	4300		ug/L 100	100	34.28	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	86%			
NAL13026-1704MS	T1-027	ORG 124-48-1	Dibromochloromethane	4800		ug/L 500	29.90	26.99	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	96%			
NAL13026-1704MS	T1-027	ORG 106-93-4	1,2-Dibromoethane	4700		ug/L 200	200	25.49	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	94%			
NAL13026-1704MS	T1-027	ORG 591-78-6	2-Hexanone	4400		ug/L 200	200	68.90	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	85%		170	
NAL13026-1704MS	T1-027	ORG 100-41-4	Ethylbenzene	5200		ug/L 100	100	25.38	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	104%			
NAL13026-1704MS	T1-027	ORG 108-90-7	Chlorobenzene	4600		ug/L 100	200	27.52	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	92%			
NAL13026-1704MS	T1-027	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L 200	200	19.28	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	98%			
NAL13026-1704MS	T1-027	ORG XYLMP	p&m-Xylene	11000		ug/L 200	200	26.14	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	10000	110%			
NAL13026-1704MS	T1-027	ORG 95-47-6	o-Xylene	5500		ug/L 100	100	12.90	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	110%			
NAL13026-1704MS	T1-027	ORG 100-42-5	Styrene	4900		ug/L 100	100	20.23	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	98%			
NAL13026-1704MS	T1-027	ORG 75-25-2	Bromoform	5200		ug/L 200	200	46.83	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	104%			
NAL13026-1704MS	T1-027	ORG 98-82-8	Isopropylbenzene	5100		ug/L 200	200	20.48	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	102%			
NAL13026-1704MS	T1-027	ORG 103-65-1	n-Propylbenzene	5300		ug/L 200	200	27.00	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	106%			
NAL13026-1704MS	T1-027	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L 200	200	29.16	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	94%			
NAL13026-1704MS	T1-027	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L 200	200	29.47	10/5/2014	10/5/2014	10/5/2014	WG 100	NA	5.0	NA	SW8260B	NALJ	5000	92%			



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spilte	% Rec	% RPD	Parent
NAL13026-1704MS	T1-027	ORG 108-67-8	1,3,5-Trimethylbenzene	5400		ug/L	200	20.03	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	108%		
NAL13026-1704MS	T1-027	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	104%		
NAL13026-1704MS	T1-027	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	96%		210
NAL13026-1704MS	T1-027	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	102%		
NAL13026-1704MS	T1-027	ORG 541-73-1	1,3-Dichlorobenzene	4900		ug/L	200	22.21	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	98%		
NAL13026-1704MS	T1-027	ORG 99-87-6	p-Isopropyltoluene	5100		ug/L	200	25.48	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	96%		300
NAL13026-1704MS	T1-027	ORG 106-46-7	1,4-Dichlorobenzene	4600		ug/L	200	33.03	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	91%		54
NAL13026-1704MS	T1-027	ORG 95-50-1	1,2-Dichlorobenzene	5000		ug/L	200	26.38	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	100%		
NAL13026-1704MS	T1-027	ORG 104-51-8	n-Butylbenzene	5600		ug/L	500	27.81	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	112%		
NAL13026-1704MS	T1-027	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5600		ug/L	500	159.11	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	112%		
NAL13026-1704MS	T1-027	ORG 87-68-3	Hexachlorobutadiene	5700		ug/L	500	65.42	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	114%		
NAL13026-1704MS	T1-027	ORG 120-82-1	1,2,4-Trichlorobenzene	5200		ug/L	500	27.63	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	104%		
NAL13026-1704MS	T1-027	ORG 91-20-3	Naphthalene	5300		ug/L	500	56.04	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	100%		280
NAL13026-1704MS	T1-027	ORG 87-61-6	1,2,3-Trichlorobenzene	5500		ug/L	500	23.28	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	110%		
NAL13026-1704MS	T1-027	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	50	96%		
NAL13026-1704MS	T1-027	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	50	98%		
NAL13026-1704MS	T1-027	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	50	96%		
NAL13026-1704MS	T1-027	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	50	106%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1704MSD	T1-027	ORG 75-71-8	Dichlorodifluoromethane	4200		ug/L	500	29.28	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	84%	0%	
NAL13026-1704MSD	T1-027	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	88%	2%	
NAL13026-1704MSD	T1-027	ORG 75-01-4	Vinyl chloride	4000		ug/L	200	31.86	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	80%	5%	
NAL13026-1704MSD	T1-027	ORG 74-83-9	Bromomethane	3700		ug/L	500	50.04	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	74%	8%	
NAL13026-1704MSD	T1-027	ORG 75-00-3	Chloroethane	3700		ug/L	500	55.61	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	74%	3%	
NAL13026-1704MSD	T1-027	ORG 75-69-4	Trichlorofluoromethane	5200		ug/L	500	19.65	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	104%	2%	
NAL13026-1704MSD	T1-027	ORG 75-35-4	1,1-Dichloroethane	3100		ug/L	100	47.11	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	62%	3%	
NAL13026-1704MSD	T1-027	ORG 75-09-2	Methylene chloride	4100		ug/L	500	26.46	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	82%	5%	
NAL13026-1704MSD	T1-027	ORG 67-64-1	Acetone	98000		ug/L	1000	155.61	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	-40%	2%	100000
NAL13026-1704MSD	T1-027	ORG 156-60-5	trans-1,2-Dichloroethene	4000		ug/L	100	55.61	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	80%	2%	
NAL13026-1704MSD	T1-027	ORG 1634-04-4	MTBE	4600		ug/L	500	61.18	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	92%	0%	
NAL13026-1704MSD	T1-027	ORG 75-34-3	1,1-Dichloroethane	4200		ug/L	100	52.66	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	84%	0%	
NAL13026-1704MSD	T1-027	ORG 156-59-2	cis-1,2-Dichloroethene	4500		ug/L	100	32.11	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	90%	0%	
NAL13026-1704MSD	T1-027	ORG 74-97-5	Bromochloromethane	4300		ug/L	1000	41.37	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	86%	0%	
NAL13026-1704MSD	T1-027	ORG 67-66-3	Chloroform	4200		ug/L	200	15.73	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	84%	2%	
NAL13026-1704MSD	T1-027	ORG 71-55-6	1,1,1-Trichloroethane	4400		ug/L	100	16.65	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	88%	4%	
NAL13026-1704MSD	T1-027	ORG 78-93-3	2-Butanone	22000		ug/L	100	81.18	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	140%	0%	15000
NAL13026-1704MSD	T1-027	ORG 56-23-5	Carbon tetrachloride	4700		ug/L	100	27.64	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	94%	4%	
NAL13026-1704MSD	T1-027	ORG 71-43-2	Benzene	4400		ug/L	100	13.53	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	88%	0%	
NAL13026-1704MSD	T1-027	ORG 107-06-2	1,2-Dichloroethane	4300		ug/L	100	20.01	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	86%	2%	
NAL13026-1704MSD	T1-027	ORG 79-01-6	Trichloroethene	4400		ug/L	100	36.33	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	88%	2%	
NAL13026-1704MSD	T1-027	ORG 74-95-3	Dibromomethane	4600		ug/L	200	32.20	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	92%	0%	
NAL13026-1704MSD	T1-027	ORG 78-87-5	1,2-Dichloropropane	4500		ug/L	100	18.17	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	90%	4%	
NAL13026-1704MSD	T1-027	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	94%	0%	
NAL13026-1704MSD	T1-027	ORG 10061-01-5	cis-1,3-Dichloropropene	5000		ug/L	100	25.01	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	100%	0%	
NAL13026-1704MSD	T1-027	ORG 108-88-3	Toluene	4400		ug/L	100	20.96	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	88%	0%	
NAL13026-1704MSD	T1-027	ORG 108-10-1	4-Methyl-2-pentanone	5000		ug/L	500	74.00	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	96%	2%	220
NAL13026-1704MSD	T1-027	ORG 10061-02-6	trans-1,3-Dichloropropene	5200		ug/L	100	31.15	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	104%	0%	
NAL13026-1704MSD	T1-027	ORG 127-18-4	Tetrahydrofuran	4300		ug/L	100	48.56	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	86%	2%	
NAL13026-1704MSD	T1-027	ORG 79-00-5	1,1,2-Trichloroethane	4300		ug/L	100	34.28	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	86%	0%	
NAL13026-1704MSD	T1-027	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	98%	2%	
NAL13026-1704MSD	T1-027	ORG 106-93-4	1,2-Dibromoethane	4800		ug/L	200	26.49	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	96%	2%	
NAL13026-1704MSD	T1-027	ORG 591-78-6	2-Hexanone	4300		ug/L	200	68.90	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	83%	2%	170
NAL13026-1704MSD	T1-027	ORG 100-41-4	Ethylbenzene	5000		ug/L	100	25.38	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	100%	4%	
NAL13026-1704MSD	T1-027	ORG 108-90-7	Chlorobenzene	4500		ug/L	100	27.52	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	90%	2%	
NAL13026-1704MSD	T1-027	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4800		ug/L	200	19.28	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	96%	2%	
NAL13026-1704MSD	T1-027	ORG XYLMP	p&m-Xylene	10000		ug/L	200	26.14	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	10000	100%	10%	
NAL13026-1704MSD	T1-027	ORG 95-47-6	o-Xylene	5300		ug/L	100	12.90	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	106%	4%	
NAL13026-1704MSD	T1-027	ORG 100-42-5	Styrene	4800		ug/L	100	20.23	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	96%	2%	
NAL13026-1704MSD	T1-027	ORG 75-25-2	Bromoform	5000		ug/L	200	46.83	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	100%	4%	
NAL13026-1704MSD	T1-027	ORG 98-82-8	Isopropylbenzene	5000		ug/L	200	20.48	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	100%	2%	
NAL13026-1704MSD	T1-027	ORG 103-65-1	n-Propylbenzene	5200		ug/L	200	27.00	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	104%	2%	
NAL13026-1704MSD	T1-027	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4500		ug/L	200	29.16	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	90%	4%	
NAL13026-1704MSD	T1-027	ORG 96-18-4	1,2,3-Trichloropropane	4300		ug/L	200	29.47	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	86%	7%	



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1704MSD	T1-027	ORG 108-67-8	1,3,5-Trimethylbenzene	5200		ug/L	200	20.03	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	104%	4%	
NAL13026-1704MSD	T1-027	ORG 98-06-6	tert-Butylbenzene	5000		ug/L	200	32.61	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	100%	4%	
NAL13026-1704MSD	T1-027	ORG 95-63-6	1,2,4-Trimethylbenzene	4800		ug/L	200	20.03	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	92%	4%	210
NAL13026-1704MSD	T1-027	ORG 135-98-8	sec-Butylbenzene	4900		ug/L	200	32.34	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	98%	4%	
NAL13026-1704MSD	T1-027	ORG 541-73-1	1,3-Dichlorobenzene	4700		ug/L	200	22.21	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	94%	4%	
NAL13026-1704MSD	T1-027	ORG 99-87-6	p-Isopropyltoluene	4900		ug/L	200	25.48	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	92%	4%	300
NAL13026-1704MSD	T1-027	ORG 106-46-7	1,4-Dichlorobenzene	4500		ug/L	200	33.03	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	89%	2%	54
NAL13026-1704MSD	T1-027	ORG 95-50-1	1,2-Dichlorobenzene	4800		ug/L	200	26.38	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	96%	4%	
NAL13026-1704MSD	T1-027	ORG 104-51-8	n-Butylbenzene	5300		ug/L	500	27.81	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	106%	6%	
NAL13026-1704MSD	T1-027	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5200		ug/L	500	159.11	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	104%	7%	
NAL13026-1704MSD	T1-027	ORG 87-68-3	Hexachlorobutadiene	5200		ug/L	500	65.42	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	104%	9%	
NAL13026-1704MSD	T1-027	ORG 120-82-1	1,2,4-Trichlorobenzene	5000		ug/L	500	27.63	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	100%	4%	
NAL13026-1704MSD	T1-027	ORG 91-20-3	Naphthalene	5200		ug/L	500	56.04	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	98%	2%	280
NAL13026-1704MSD	T1-027	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	5000	104%	6%	
NAL13026-1704MSD	T1-027	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	50	98%	2%	
NAL13026-1704MSD	T1-027	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	50	96%	2%	
NAL13026-1704MSD	T1-027	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	50	98%	2%	
NAL13026-1704MSD	T1-027	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/5/2014	10/5/2014	10/5/2014	WG	100	NA	5.0	NA	SW8260B	NALJ	50	104%	2%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1705	T1-028	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 75-00-3	Chloroethane		UX-	ug/L	500	55.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 67-64-1	Acetone	88000	D	ug/L	10000	1556.07	10/6/2014	10/6/2014	10/6/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4888				
NAL13026-1705	T1-028	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 78-93-3	2-Butanone	11000	D	ug/L	10000	811.80	10/6/2014	10/6/2014	10/6/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4888				
NAL13026-1705	T1-028	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 108-10-1	4-Methyl-2-pentanone	140	J	ug/L	500	74.00	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1705	T1-028	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	200	25.48	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	200	33.03	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 91-20-3	Naphthalene	180	J	ug/L	500	56.04	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887				
NAL13026-1705	T1-028	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887	50	98%		
NAL13026-1705	T1-028	STD 17060-07-0	1,2-Dichloroethane d4	55		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887	50	110%		
NAL13026-1705	T1-028	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887	50	104%		
NAL13026-1705	T1-028	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4887	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100614CCVA	D100614CCVA	ORG 75-71-8	Dichlorodifluoromethane	60		ug/L	5	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	120%		
D100614CCVA	D100614CCVA	ORG 74-87-3	Chloromethane	52		ug/L	5	0.43	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	104%		
D100614CCVA	D100614CCVA	ORG 75-01-4	Vinyl chloride	50		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	100%		
D100614CCVA	D100614CCVA	ORG 74-83-9	Bromomethane	56		ug/L	5	0.50	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	112%		
D100614CCVA	D100614CCVA	ORG 75-00-3	Chloroethane	39		ug/L	5	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	78%		
D100614CCVA	D100614CCVA	ORG 75-69-4	Trichlorofluoromethane	53		ug/L	5	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	106%		
D100614CCVA	D100614CCVA	ORG 75-35-4	1,1-Dichloroethene	45		ug/L	1	0.47	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	90%		
D100614CCVA	D100614CCVA	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	96%		
D100614CCVA	D100614CCVA	ORG 67-64-1	Acetone	60		ug/L	10	1.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	120%		
D100614CCVA	D100614CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	94%		
D100614CCVA	D100614CCVA	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	106%		
D100614CCVA	D100614CCVA	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	92%		
D100614CCVA	D100614CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	96%		
D100614CCVA	D100614CCVA	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	92%		
D100614CCVA	D100614CCVA	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	88%		
D100614CCVA	D100614CCVA	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	94%		
D100614CCVA	D100614CCVA	ORG 78-93-3	2-Butanone	57		ug/L	1	0.81	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	114%		
D100614CCVA	D100614CCVA	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	98%		
D100614CCVA	D100614CCVA	ORG 71-43-2	Benzene	46		ug/L	1	0.14	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	92%		
D100614CCVA	D100614CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	90%		
D100614CCVA	D100614CCVA	ORG 79-01-6	Trichloroethene	46		ug/L	1	0.36	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	92%		
D100614CCVA	D100614CCVA	ORG 74-95-3	Dibromomethane	45		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	90%		
D100614CCVA	D100614CCVA	ORG 78-87-5	1,2-Dichloropropane	46		ug/L	1	0.18	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	92%		
D100614CCVA	D100614CCVA	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	96%		
D100614CCVA	D100614CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	51		ug/L	1	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	102%		
D100614CCVA	D100614CCVA	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	90%		
D100614CCVA	D100614CCVA	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	112%		
D100614CCVA	D100614CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	108%		
D100614CCVA	D100614CCVA	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	90%		
D100614CCVA	D100614CCVA	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	88%		
D100614CCVA	D100614CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	100%		
D100614CCVA	D100614CCVA	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	100%		
D100614CCVA	D100614CCVA	ORG 591-78-6	2-Hexanone	76		ug/L	2	0.69	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	152%		
D100614CCVA	D100614CCVA	ORG 100-41-4	Ethylbenzene	52		ug/L	1	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	104%		
D100614CCVA	D100614CCVA	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	92%		
D100614CCVA	D100614CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	49		ug/L	2	0.19	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	98%		
D100614CCVA	D100614CCVA	ORG XYLMP	p&m-Xylene	106		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	100	106%		
D100614CCVA	D100614CCVA	ORG 95-47-6	o-Xylene	55		ug/L	1	0.13	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	110%		
D100614CCVA	D100614CCVA	ORG 100-42-5	Styrene	48		ug/L	1	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	96%		
D100614CCVA	D100614CCVA	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	106%		
D100614CCVA	D100614CCVA	ORG 98-82-8	Isopropylbenzene	51		ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	102%		
D100614CCVA	D100614CCVA	ORG 103-65-1	n-Propylbenzene	53		ug/L	2	0.27	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	106%		
D100614CCVA	D100614CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	94%		

Confidential
D100614AVPP



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100614CCVA	D100614CCVA	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	92%		
D100614CCVA	D100614CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	54		ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	108%		
D100614CCVA	D100614CCVA	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	104%		
D100614CCVA	D100614CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	49		ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	98%		
D100614CCVA	D100614CCVA	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	102%		
D100614CCVA	D100614CCVA	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	100%		
D100614CCVA	D100614CCVA	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	100%		
D100614CCVA	D100614CCVA	ORG 106-46-7	1,4-Dichlorobenzene	46		ug/L	2	0.33	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	92%		
D100614CCVA	D100614CCVA	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	100%		
D100614CCVA	D100614CCVA	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	108%		
D100614CCVA	D100614CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	52		ug/L	5	1.59	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	104%		
D100614CCVA	D100614CCVA	ORG 87-68-3	Hexachlorobutadiene	55		ug/L	5	0.65	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	110%		
D100614CCVA	D100614CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	98%		
D100614CCVA	D100614CCVA	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	92%		
D100614CCVA	D100614CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	52		ug/L	5	0.23	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	104%		
D100614CCVA	D100614CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	98%		
D100614CCVA	D100614CCVA	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	94%		
D100614CCVA	D100614CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	98%		
D100614CCVA	D100614CCVA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4884	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100614MBKA	D100614MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100614MBKA	D100614MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886				
D100614MBKA	D100614MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886	50	98%		
D100614MBKA	D100614MBKA	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886	50	104%		
D100614MBKA	D100614MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886	50	104%		
D100614MBKA	D100614MBKA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4886	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100614ALCS	D100614ALCS	ORG 75-71-8	Dichlorodifluoromethane	59		ug/L	5	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	118%		
D100614ALCS	D100614ALCS	ORG 74-87-3	Chloromethane	50		ug/L	5	0.43	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	100%		
D100614ALCS	D100614ALCS	ORG 75-01-4	Vinyl chloride	41		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	82%		
D100614ALCS	D100614ALCS	ORG 74-83-9	Bromomethane	42		ug/L	5	0.50	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	84%		
D100614ALCS	D100614ALCS	ORG 75-00-3	Chloroethane	38		ug/L	5	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	76%		
D100614ALCS	D100614ALCS	ORG 75-69-4	Trichlorofluoromethane	52		ug/L	5	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	104%		
D100614ALCS	D100614ALCS	ORG 75-35-4	1,1-Dichloroethene	36		ug/L	1	0.47	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	72%		
D100614ALCS	D100614ALCS	ORG 75-09-2	Methylene chloride	47		ug/L	5	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	94%		
D100614ALCS	D100614ALCS	ORG 67-64-1	Acetone	54		ug/L	10	1.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	108%		
D100614ALCS	D100614ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	92%		
D100614ALCS	D100614ALCS	ORG 1634-04-4	MTBE	50		ug/L	5	0.61	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	100%		
D100614ALCS	D100614ALCS	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	90%		
D100614ALCS	D100614ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	96%		
D100614ALCS	D100614ALCS	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	90%		
D100614ALCS	D100614ALCS	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	88%		
D100614ALCS	D100614ALCS	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	96%		
D100614ALCS	D100614ALCS	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	106%		
D100614ALCS	D100614ALCS	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	100%		
D100614ALCS	D100614ALCS	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	94%		
D100614ALCS	D100614ALCS	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	90%		
D100614ALCS	D100614ALCS	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	94%		
D100614ALCS	D100614ALCS	ORG 74-95-3	Dibromomethane	45		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	90%		
D100614ALCS	D100614ALCS	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	94%		
D100614ALCS	D100614ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	92%		
D100614ALCS	D100614ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	50		ug/L	1	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	100%		
D100614ALCS	D100614ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	90%		
D100614ALCS	D100614ALCS	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	106%		
D100614ALCS	D100614ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	52		ug/L	1	0.31	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	104%		
D100614ALCS	D100614ALCS	ORG 127-18-4	Tetrachloroethene	44		ug/L	1	0.49	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	88%		
D100614ALCS	D100614ALCS	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	86%		
D100614ALCS	D100614ALCS	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	98%		
D100614ALCS	D100614ALCS	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	96%		
D100614ALCS	D100614ALCS	ORG 591-78-6	2-Hexanone	70		ug/L	2	0.69	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	140%		
D100614ALCS	D100614ALCS	ORG 100-41-4	Ethylbenzene	51		ug/L	1	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	102%		
D100614ALCS	D100614ALCS	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	92%		
D100614ALCS	D100614ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	49		ug/L	2	0.19	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	98%		
D100614ALCS	D100614ALCS	ORG XYLMP	p&m-Xylene	104		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	100	104%		
D100614ALCS	D100614ALCS	ORG 95-47-6	o-Xylene	54		ug/L	1	0.13	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	108%		
D100614ALCS	D100614ALCS	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	98%		
D100614ALCS	D100614ALCS	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	106%		
D100614ALCS	D100614ALCS	ORG 98-82-8	Isopropylbenzene	50		ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	100%		
D100614ALCS	D100614ALCS	ORG 103-65-1	n-Propylbenzene	53		ug/L	2	0.27	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	106%		
D100614ALCS	D100614ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	92%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100614ALCS	D100614ALCS	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	88%		
D100614ALCS	D100614ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	54		ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	108%		
D100614ALCS	D100614ALCS	ORG 98-06-6	tert-Butylbenzene	51		ug/L	2	0.33	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	102%		
D100614ALCS	D100614ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	49		ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	98%		
D100614ALCS	D100614ALCS	ORG 135-98-8	sec-Butylbenzene	50		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	100%		
D100614ALCS	D100614ALCS	ORG 541-73-1	1,3-Dichlorobenzene	48		ug/L	2	0.22	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	96%		
D100614ALCS	D100614ALCS	ORG 99-87-6	p-Isopropyltoluene	49		ug/L	2	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	98%		
D100614ALCS	D100614ALCS	ORG 106-46-7	1,4-Dichlorobenzene	46		ug/L	2	0.33	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	92%		
D100614ALCS	D100614ALCS	ORG 95-50-1	1,2-Dichlorobenzene	49		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	98%		
D100614ALCS	D100614ALCS	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	106%		
D100614ALCS	D100614ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	106%		
D100614ALCS	D100614ALCS	ORG 87-68-3	Hexachlorobutadiene	55		ug/L	5	0.65	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	110%		
D100614ALCS	D100614ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	100%		
D100614ALCS	D100614ALCS	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	94%		
D100614ALCS	D100614ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	54		ug/L	5	0.23	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	108%		
D100614ALCS	D100614ALCS	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	100%		
D100614ALCS	D100614ALCS	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	96%		
D100614ALCS	D100614ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	96%		
D100614ALCS	D100614ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4893	50	102%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100614ALCD	D100614ALCD	ORG 75-71-8	Dichlorodifluoromethane	66		ug/L	5	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	132%	11%	
D100614ALCD	D100614ALCD	ORG 74-87-3	Chloromethane	52		ug/L	5	0.43	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	4%	
D100614ALCD	D100614ALCD	ORG 75-01-4	Vinyl chloride	43		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	86%	5%	
D100614ALCD	D100614ALCD	ORG 74-83-9	Bromomethane	41		ug/L	5	0.50	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	82%	2%	
D100614ALCD	D100614ALCD	ORG 75-00-3	Chloroethane	44		ug/L	5	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	88%	15%	
D100614ALCD	D100614ALCD	ORG 75-69-4	Trichlorofluoromethane	64		ug/L	5	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	128%	21%	
D100614ALCD	D100614ALCD	ORG 75-35-4	1,1-Dichloroethene	41		ug/L	1	0.47	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	82%	13%	
D100614ALCD	D100614ALCD	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	96%	2%	
D100614ALCD	D100614ALCD	ORG 67-64-1	Acetone	55		ug/L	10	1.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	110%	2%	
D100614ALCD	D100614ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	94%	2%	
D100614ALCD	D100614ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	98%	2%	
D100614ALCD	D100614ALCD	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	92%	2%	
D100614ALCD	D100614ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	47		ug/L	1	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	94%	2%	
D100614ALCD	D100614ALCD	ORG 74-97-5	Bromochloromethane	47		ug/L	10	0.41	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	94%	4%	
D100614ALCD	D100614ALCD	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	94%	7%	
D100614ALCD	D100614ALCD	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	102%	6%	
D100614ALCD	D100614ALCD	ORG 78-93-3	2-Butanone	56		ug/L	1	0.81	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	112%	6%	
D100614ALCD	D100614ALCD	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	4%	
D100614ALCD	D100614ALCD	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	98%	4%	
D100614ALCD	D100614ALCD	ORG 107-06-2	1,2-Dichloroethane	49		ug/L	1	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	98%	9%	
D100614ALCD	D100614ALCD	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	98%	4%	
D100614ALCD	D100614ALCD	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	94%	4%	
D100614ALCD	D100614ALCD	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	96%	2%	
D100614ALCD	D100614ALCD	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	100%	8%	
D100614ALCD	D100614ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	4%	
D100614ALCD	D100614ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	92%	2%	
D100614ALCD	D100614ALCD	ORG 108-10-1	4-Methyl-2-pentanone	52		ug/L	5	0.74	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	2%	
D100614ALCD	D100614ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	110%	6%	
D100614ALCD	D100614ALCD	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	90%	2%	
D100614ALCD	D100614ALCD	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	90%	5%	
D100614ALCD	D100614ALCD	ORG 124-48-1	Dibromochloromethane	53		ug/L	5	0.30	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	106%	8%	
D100614ALCD	D100614ALCD	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	98%	2%	
D100614ALCD	D100614ALCD	ORG 591-78-6	2-Hexanone	66		ug/L	2	0.69	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	132%	6%	
D100614ALCD	D100614ALCD	ORG 100-41-4	Ethylbenzene	52		ug/L	1	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	2%	
D100614ALCD	D100614ALCD	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	92%	0%	
D100614ALCD	D100614ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	100%	2%	
D100614ALCD	D100614ALCD	ORG XYLMP	p&m-Xylene	108		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	100	108%	4%	
D100614ALCD	D100614ALCD	ORG 95-47-6	o-Xylene	54		ug/L	1	0.13	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	108%	0%	
D100614ALCD	D100614ALCD	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	98%	0%	
D100614ALCD	D100614ALCD	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	2%	
D100614ALCD	D100614ALCD	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	4%	
D100614ALCD	D100614ALCD	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	110%	4%	
D100614ALCD	D100614ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	92%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100614ALCD	D100614ALCD	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	92%	4%	
D100614ALCD	D100614ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	110%	2%	
D100614ALCD	D100614ALCD	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	2%	
D100614ALCD	D100614ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	102%	4%	
D100614ALCD	D100614ALCD	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	4%	
D100614ALCD	D100614ALCD	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	102%	6%	
D100614ALCD	D100614ALCD	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	6%	
D100614ALCD	D100614ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	96%	4%	
D100614ALCD	D100614ALCD	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	6%	
D100614ALCD	D100614ALCD	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	112%	6%	
D100614ALCD	D100614ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	52		ug/L	5	1.59	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	104%	2%	
D100614ALCD	D100614ALCD	ORG 87-68-3	Hexachlorobutadiene	58		ug/L	5	0.65	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	116%	5%	
D100614ALCD	D100614ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	51		ug/L	5	0.28	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	102%	2%	
D100614ALCD	D100614ALCD	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	96%	2%	
D100614ALCD	D100614ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	55		ug/L	5	0.23	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	110%	2%	
D100614ALCD	D100614ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	100%	0%	
D100614ALCD	D100614ALCD	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	100%	4%	
D100614ALCD	D100614ALCD	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	98%	2%	
D100614ALCD	D100614ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/6/2014	10/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4890	50	102%	0%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1705MS	T1-028	ORG 75-71-8	Dichlorodifluoromethane	5900		ug/L	500	29.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	118%		
NAL13026-1705MS	T1-028	ORG 74-87-3	Chloromethane	5000		ug/L	500	43.07	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	100%		
NAL13026-1705MS	T1-028	ORG 75-01-4	Vinyl chloride	4300		ug/L	200	31.86	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	86%		
NAL13026-1705MS	T1-028	ORG 74-83-9	Bromomethane	4200		ug/L	500	50.04	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	84%		
NAL13026-1705MS	T1-028	ORG 75-00-3	Chloroethane	4300		ug/L	500	55.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	86%		
NAL13026-1705MS	T1-028	ORG 75-69-4	Trichlorofluoromethane	5800		ug/L	500	19.65	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	116%		
NAL13026-1705MS	T1-028	ORG 75-35-4	1,1-Dichloroethene	3900		ug/L	100	47.11	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	78%		
NAL13026-1705MS	T1-028	ORG 75-09-2	Methylene chloride	5000		ug/L	500	26.46	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	100%		
NAL13026-1705MS	T1-028	ORG 67-64-1	Acetone	92000		ug/L	1000	155.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	80%		88000
NAL13026-1705MS	T1-028	ORG 156-60-5	trans-1,2-Dichloroethene	4800		ug/L	100	55.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	96%		
NAL13026-1705MS	T1-028	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	100%		
NAL13026-1705MS	T1-028	ORG 75-34-3	1,1-Dichloroethane	4800		ug/L	100	52.66	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	96%		
NAL13026-1705MS	T1-028	ORG 156-59-2	cis-1,2-Dichloroethene	5000		ug/L	100	32.11	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	100%		
NAL13026-1705MS	T1-028	ORG 74-97-5	Bromochloromethane	4900		ug/L	1000	41.37	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	98%		
NAL13026-1705MS	T1-028	ORG 67-66-3	Chloroform	4900		ug/L	200	15.73	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	98%		
NAL13026-1705MS	T1-028	ORG 71-55-6	1,1,1-Trichloroethane	5100		ug/L	100	16.65	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	102%		
NAL13026-1705MS	T1-028	ORG 78-93-3	2-Butanone	19000		ug/L	100	81.18	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	160%		11000
NAL13026-1705MS	T1-028	ORG 56-23-5	Carbon tetrachloride	5300		ug/L	100	27.64	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	106%		
NAL13026-1705MS	T1-028	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	100%		
NAL13026-1705MS	T1-028	ORG 107-06-2	1,2-Dichloroethane	5100		ug/L	100	20.01	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	102%		
NAL13026-1705MS	T1-028	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	98%		
NAL13026-1705MS	T1-028	ORG 74-95-3	Dibromomethane	5100		ug/L	200	32.20	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	102%		
NAL13026-1705MS	T1-028	ORG 78-87-5	1,2-Dichloropropane	5100		ug/L	100	18.17	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	102%		
NAL13026-1705MS	T1-028	ORG 75-27-4	Bromodichloromethane	5300		ug/L	200	11.58	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	106%		
NAL13026-1705MS	T1-028	ORG 10061-01-5	cis-1,3-Dichloropropene	5500		ug/L	100	25.01	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	110%		
NAL13026-1705MS	T1-028	ORG 108-88-3	Toluene	4800		ug/L	100	20.96	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	96%		
NAL13026-1705MS	T1-028	ORG 108-10-1	4-Methyl-2-pentanone	5400		ug/L	500	74.00	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	105%		140
NAL13026-1705MS	T1-028	ORG 10061-02-6	trans-1,3-Dichloropropene	5900		ug/L	100	31.15	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	118%		
NAL13026-1705MS	T1-028	ORG 127-18-4	Tetrachloroethene	4600		ug/L	100	48.56	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	92%		
NAL13026-1705MS	T1-028	ORG 79-00-5	1,1,2-Trichloroethane	4700		ug/L	100	34.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	94%		
NAL13026-1705MS	T1-028	ORG 124-48-1	Dibromochloromethane	5500		ug/L	500	29.90	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	110%		
NAL13026-1705MS	T1-028	ORG 106-93-4	1,2-Dibromoethane	5400		ug/L	200	26.49	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	108%		
NAL13026-1705MS	T1-028	ORG 591-78-6	2-Hexanone	5400		ug/L	200	68.90	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	108%		
NAL13026-1705MS	T1-028	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	108%		
NAL13026-1705MS	T1-028	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	96%		
NAL13026-1705MS	T1-028	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5300		ug/L	200	19.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	106%		
NAL13026-1705MS	T1-028	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	10000	110%		
NAL13026-1705MS	T1-028	ORG 95-47-6	o-Xylene	5800		ug/L	100	12.90	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	116%		
NAL13026-1705MS	T1-028	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	102%		
NAL13026-1705MS	T1-028	ORG 75-25-2	Bromoform	5600		ug/L	200	46.83	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	112%		
NAL13026-1705MS	T1-028	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	108%		
NAL13026-1705MS	T1-028	ORG 103-65-1	n-Propylbenzene	5600		ug/L	200	27.00	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	112%		
NAL13026-1705MS	T1-028	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4900		ug/L	200	29.16	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	98%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1705MS	T1-028	ORG 96-18-4	1,2,3-Trichloropropane	5000		ug/L	200	29.47	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	100%		
NAL13026-1705MS	T1-028	ORG 108-67-8	1,3,5-Trimethylbenzene	5600		ug/L	200	20.03	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	112%		
NAL13026-1705MS	T1-028	ORG 98-06-6	tert-Butylbenzene	5400		ug/L	200	32.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	108%		
NAL13026-1705MS	T1-028	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	106%		
NAL13026-1705MS	T1-028	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	106%		
NAL13026-1705MS	T1-028	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	106%		
NAL13026-1705MS	T1-028	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	106%		
NAL13026-1705MS	T1-028	ORG 106-46-7	1,4-Dichlorobenzene	5000		ug/L	200	33.03	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	100%		
NAL13026-1705MS	T1-028	ORG 95-50-1	1,2-Dichlorobenzene	5300		ug/L	200	26.38	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	106%		
NAL13026-1705MS	T1-028	ORG 104-51-8	n-Butylbenzene	5700		ug/L	500	27.81	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	114%		
NAL13026-1705MS	T1-028	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5900		ug/L	500	159.11	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	118%		
NAL13026-1705MS	T1-028	ORG 87-68-3	Hexachlorobutadiene	5800		ug/L	500	65.42	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	116%		
NAL13026-1705MS	T1-028	ORG 120-82-1	1,2,4-Trichlorobenzene	5400		ug/L	500	27.63	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	108%		
NAL13026-1705MS	T1-028	ORG 91-20-3	Naphthalene	5600		ug/L	500	56.04	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	108%		180
NAL13026-1705MS	T1-028	ORG 87-61-6	1,2,3-Trichlorobenzene	5800		ug/L	500	23.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	5000	116%		
NAL13026-1705MS	T1-028	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	50	98%		
NAL13026-1705MS	T1-028	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	50	102%		
NAL13026-1705MS	T1-028	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	50	98%		
NAL13026-1705MS	T1-028	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4891	50	104%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1705MSD	T1-028	ORG 75-71-8	Dichlorodifluoromethane	5900		ug/L	500	29.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	118%	0%	
NAL13026-1705MSD	T1-028	ORG 74-87-3	Chloromethane	5000		ug/L	500	43.07	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	100%	0%	
NAL13026-1705MSD	T1-028	ORG 75-01-4	Vinyl chloride	4000		ug/L	200	31.86	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	80%	7%	
NAL13026-1705MSD	T1-028	ORG 74-83-9	Bromomethane	3500		ug/L	500	50.04	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	70%	18%	
NAL13026-1705MSD	T1-028	ORG 75-00-3	Chloroethane	3800		ug/L	500	55.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	76%	12%	
NAL13026-1705MSD	T1-028	ORG 75-69-4	Trichlorofluoromethane	5900		ug/L	500	19.65	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	118%	2%	
NAL13026-1705MSD	T1-028	ORG 75-35-4	1,1-Dichloroethene	6700		ug/L	100	47.11	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	134%	53%	
NAL13026-1705MSD	T1-028	ORG 75-09-2	Methylene chloride	4800		ug/L	500	26.46	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	96%	4%	
NAL13026-1705MSD	T1-028	ORG 67-64-1	Acetone	88000		ug/L	1000	155.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	0%	4%	88000
NAL13026-1705MSD	T1-028	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	94%	2%	
NAL13026-1705MSD	T1-028	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	98%	2%	
NAL13026-1705MSD	T1-028	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	92%	4%	
NAL13026-1705MSD	T1-028	ORG 156-59-2	cis-1,2-Dichloroethene	5000		ug/L	100	32.11	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	100%	0%	
NAL13026-1705MSD	T1-028	ORG 74-97-5	Bromochloromethane	4500		ug/L	1000	41.37	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	90%	9%	
NAL13026-1705MSD	T1-028	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	94%	4%	
NAL13026-1705MSD	T1-028	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	100%	2%	
NAL13026-1705MSD	T1-028	ORG 78-93-3	2-Butanone	18000		ug/L	100	81.18	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	140%	5%	11000
NAL13026-1705MSD	T1-028	ORG 56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	102%	4%	
NAL13026-1705MSD	T1-028	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	98%	2%	
NAL13026-1705MSD	T1-028	ORG 107-06-2	1,2-Dichloroethane	4800		ug/L	100	20.01	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	96%	6%	
NAL13026-1705MSD	T1-028	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	98%	0%	
NAL13026-1705MSD	T1-028	ORG 74-95-3	Dibromomethane	4900		ug/L	200	32.20	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	98%	4%	
NAL13026-1705MSD	T1-028	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	100%	2%	
NAL13026-1705MSD	T1-028	ORG 75-27-4	Bromodichloromethane	5000		ug/L	200	11.58	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	100%	6%	
NAL13026-1705MSD	T1-028	ORG 10061-01-5	cis-1,3-Dichloropropene	5400		ug/L	100	25.01	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	108%	2%	
NAL13026-1705MSD	T1-028	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	94%	2%	
NAL13026-1705MSD	T1-028	ORG 108-10-1	4-Methyl-2-pentanone	5200		ug/L	500	74.00	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	101%	4%	140
NAL13026-1705MSD	T1-028	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	112%	5%	
NAL13026-1705MSD	T1-028	ORG 127-18-4	Tetrachloroethene	4700		ug/L	100	48.56	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	94%	2%	
NAL13026-1705MSD	T1-028	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	90%	4%	
NAL13026-1705MSD	T1-028	ORG 124-48-1	Dibromochloromethane	5200		ug/L	500	29.90	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	104%	6%	
NAL13026-1705MSD	T1-028	ORG 106-93-4	1,2-Dibromoethane	5000		ug/L	200	26.49	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	100%	8%	
NAL13026-1705MSD	T1-028	ORG 591-78-6	2-Hexanone	4700		ug/L	200	68.90	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	94%	14%	
NAL13026-1705MSD	T1-028	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	110%	2%	
NAL13026-1705MSD	T1-028	ORG 108-90-7	Chlorobenzene	4900		ug/L	100	27.52	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	98%	2%	
NAL13026-1705MSD	T1-028	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5300		ug/L	200	19.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	106%	0%	
NAL13026-1705MSD	T1-028	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	10000	110%	0%	
NAL13026-1705MSD	T1-028	ORG 95-47-6	o-Xylene	5800		ug/L	100	12.90	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	116%	0%	
NAL13026-1705MSD	T1-028	ORG 100-42-5	Styrene	5300		ug/L	100	20.23	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	106%	4%	
NAL13026-1705MSD	T1-028	ORG 75-25-2	Bromoform	5200		ug/L	200	46.83	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	104%	7%	
NAL13026-1705MSD	T1-028	ORG 98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	110%	2%	
NAL13026-1705MSD	T1-028	ORG 103-65-1	n-Propylbenzene	5600		ug/L	200	27.00	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	112%	0%	
NAL13026-1705MSD	T1-028	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	96%	2%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1705MSD	T1-028	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	96%	4%	
NAL13026-1705MSD	T1-028	ORG 108-67-8	1,3,5-Trimethylbenzene	5700		ug/L	200	20.03	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	114%	2%	
NAL13026-1705MSD	T1-028	ORG 98-06-6	tert-Butylbenzene	5400		ug/L	200	32.61	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	108%	0%	
NAL13026-1705MSD	T1-028	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	106%	0%	
NAL13026-1705MSD	T1-028	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	106%	0%	
NAL13026-1705MSD	T1-028	ORG 541-73-1	1,3-Dichlorobenzene	5200		ug/L	200	22.21	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	104%	2%	
NAL13026-1705MSD	T1-028	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	106%	0%	
NAL13026-1705MSD	T1-028	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	98%	2%	
NAL13026-1705MSD	T1-028	ORG 95-50-1	1,2-Dichlorobenzene	5300		ug/L	200	26.38	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	106%	0%	
NAL13026-1705MSD	T1-028	ORG 104-51-8	n-Butylbenzene	5800		ug/L	500	27.81	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	116%	2%	
NAL13026-1705MSD	T1-028	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5600		ug/L	500	159.11	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	112%	5%	
NAL13026-1705MSD	T1-028	ORG 87-68-3	Hexachlorobutadiene	5800		ug/L	500	65.42	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	116%	0%	
NAL13026-1705MSD	T1-028	ORG 120-82-1	1,2,4-Trichlorobenzene	5400		ug/L	500	27.63	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	108%	0%	
NAL13026-1705MSD	T1-028	ORG 91-20-3	Naphthalene	5500		ug/L	500	56.04	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	106%	2%	180
NAL13026-1705MSD	T1-028	ORG 87-61-6	1,2,3-Trichlorobenzene	5700		ug/L	500	23.28	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	5000	114%	2%	
NAL13026-1705MSD	T1-028	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	50	98%	0%	
NAL13026-1705MSD	T1-028	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	50	98%	4%	
NAL13026-1705MSD	T1-028	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	50	98%	0%	
NAL13026-1705MSD	T1-028	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/6/2014	10/6/2014	10/6/2014	WG	100	NA	5.0	NA	SW8260B	NALD4892	50	106%	2%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1706	T1-029	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 67-64-1	Acetone	76000	D	ug/L	10000	1556.07	10/7/2014	10/7/2014	10/7/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4899				
NAL13026-1706	T1-029	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 78-93-3	2-Butanone	11000	D	ug/L	10000	811.80	10/7/2014	10/7/2014	10/7/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4899				
NAL13026-1706	T1-029	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 108-10-1	4-Methyl-2-pentanone	190	J	ug/L	500	74.00	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1706	T1-029	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 99-87-6	p-Isopropyltoluene	290		ug/L	200	25.48	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	200	33.03	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 91-20-3	Naphthalene	110	J	ug/L	500	56.04	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898				
NAL13026-1706	T1-029	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898	50	100%		
NAL13026-1706	T1-029	STD 17060-07-0	1,2-Dichloroethane d4	53		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898	50	106%		
NAL13026-1706	T1-029	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898	50	104%		
NAL13026-1706	T1-029	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4898	50	110%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100714CCVA	D100714CCVA	ORG 75-71-8	Dichlorodifluoromethane	64		ug/L	5	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	128%		
D100714CCVA	D100714CCVA	ORG 74-87-3	Chloromethane	53		ug/L	5	0.43	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	106%		
D100714CCVA	D100714CCVA	ORG 75-01-4	Vinyl chloride	52		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	104%		
D100714CCVA	D100714CCVA	ORG 74-83-9	Bromomethane	56		ug/L	5	0.50	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	112%		
D100714CCVA	D100714CCVA	ORG 75-00-3	Chloroethane	42		ug/L	5	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	84%		
D100714CCVA	D100714CCVA	ORG 75-69-4	Trichlorofluoromethane	75		ug/L	5	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	150%		
D100714CCVA	D100714CCVA	ORG 75-35-4	1,1-Dichloroethene	44		ug/L	1	0.47	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	88%		
D100714CCVA	D100714CCVA	ORG 75-09-2	Methylene chloride	51		ug/L	5	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	102%		
D100714CCVA	D100714CCVA	ORG 67-64-1	Acetone	56		ug/L	10	1.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	112%		
D100714CCVA	D100714CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	49		ug/L	1	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	98%		
D100714CCVA	D100714CCVA	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	98%		
D100714CCVA	D100714CCVA	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	92%		
D100714CCVA	D100714CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	98%		
D100714CCVA	D100714CCVA	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	90%		
D100714CCVA	D100714CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	90%		
D100714CCVA	D100714CCVA	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	96%		
D100714CCVA	D100714CCVA	ORG 78-93-3	2-Butanone	51		ug/L	1	0.81	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	102%		
D100714CCVA	D100714CCVA	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	104%		
D100714CCVA	D100714CCVA	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	96%		
D100714CCVA	D100714CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	90%		
D100714CCVA	D100714CCVA	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	94%		
D100714CCVA	D100714CCVA	ORG 74-95-3	Dibromomethane	45		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	90%		
D100714CCVA	D100714CCVA	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	94%		
D100714CCVA	D100714CCVA	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	96%		
D100714CCVA	D100714CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	104%		
D100714CCVA	D100714CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	92%		
D100714CCVA	D100714CCVA	ORG 108-10-1	4-Methyl-2-pentanone	48		ug/L	5	0.74	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	96%		
D100714CCVA	D100714CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	53		ug/L	1	0.31	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	106%		
D100714CCVA	D100714CCVA	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	82%		
D100714CCVA	D100714CCVA	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	86%		
D100714CCVA	D100714CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	100%		
D100714CCVA	D100714CCVA	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	96%		
D100714CCVA	D100714CCVA	ORG 591-78-6	2-Hexanone	63		ug/L	2	0.69	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	126%		
D100714CCVA	D100714CCVA	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	106%		
D100714CCVA	D100714CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	96%		
D100714CCVA	D100714CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	102%		
D100714CCVA	D100714CCVA	ORG XYLMP	p&m-Xylene	108		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	100	108%		
D100714CCVA	D100714CCVA	ORG 95-47-6	o-Xylene	55		ug/L	1	0.13	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	110%		
D100714CCVA	D100714CCVA	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	98%		
D100714CCVA	D100714CCVA	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	100%		
D100714CCVA	D100714CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	106%		
D100714CCVA	D100714CCVA	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	110%		
D100714CCVA	D100714CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	43		ug/L	2	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	86%		

Confidential
D100714AVPP



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100714CCVA	D100714CCVA	ORG 96-18-4	1,2,3-Trichloropropane	43		ug/L	2	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	86%		
D100714CCVA	D100714CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	110%		
D100714CCVA	D100714CCVA	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	108%		
D100714CCVA	D100714CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	102%		
D100714CCVA	D100714CCVA	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	104%		
D100714CCVA	D100714CCVA	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	102%		
D100714CCVA	D100714CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	104%		
D100714CCVA	D100714CCVA	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	94%		
D100714CCVA	D100714CCVA	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	100%		
D100714CCVA	D100714CCVA	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	110%		
D100714CCVA	D100714CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	46		ug/L	5	1.59	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	92%		
D100714CCVA	D100714CCVA	ORG 87-68-3	Hexachlorobutadiene	56		ug/L	5	0.65	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	112%		
D100714CCVA	D100714CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	98%		
D100714CCVA	D100714CCVA	ORG 91-20-3	Naphthalene	42		ug/L	5	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	84%		
D100714CCVA	D100714CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	102%		
D100714CCVA	D100714CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	98%		
D100714CCVA	D100714CCVA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	96%		
D100714CCVA	D100714CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	98%		
D100714CCVA	D100714CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4895	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100714MBKA	D100714MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100714MBKA	D100714MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897				
D100714MBKA	D100714MBKA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897	50	96%		
D100714MBKA	D100714MBKA	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897	50	102%		
D100714MBKA	D100714MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897	50	102%		
D100714MBKA	D100714MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4897	50	110%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100714ALCS	D100714ALCS	ORG 75-71-8	Dichlorodifluoromethane	58		ug/L	5	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	116%		
D100714ALCS	D100714ALCS	ORG 74-87-3	Chloromethane	48		ug/L	5	0.43	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	96%		
D100714ALCS	D100714ALCS	ORG 75-01-4	Vinyl chloride	44		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	88%		
D100714ALCS	D100714ALCS	ORG 74-83-9	Bromomethane	47		ug/L	5	0.50	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	94%		
D100714ALCS	D100714ALCS	ORG 75-00-3	Chloroethane	36		ug/L	5	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	72%		
D100714ALCS	D100714ALCS	ORG 75-69-4	Trichlorofluoromethane	62		ug/L	5	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	124%		
D100714ALCS	D100714ALCS	ORG 75-35-4	1,1-Dichloroethene	41		ug/L	1	0.47	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	82%		
D100714ALCS	D100714ALCS	ORG 75-09-2	Methylene chloride	49		ug/L	5	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	98%		
D100714ALCS	D100714ALCS	ORG 67-64-1	Acetone	70		ug/L	10	1.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	140%		
D100714ALCS	D100714ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	92%		
D100714ALCS	D100714ALCS	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	98%		
D100714ALCS	D100714ALCS	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	92%		
D100714ALCS	D100714ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	50		ug/L	1	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	100%		
D100714ALCS	D100714ALCS	ORG 74-97-5	Bromochloromethane	47		ug/L	10	0.41	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	94%		
D100714ALCS	D100714ALCS	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	92%		
D100714ALCS	D100714ALCS	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	98%		
D100714ALCS	D100714ALCS	ORG 78-93-3	2-Butanone	51		ug/L	1	0.81	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	102%		
D100714ALCS	D100714ALCS	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	98%		
D100714ALCS	D100714ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	98%		
D100714ALCS	D100714ALCS	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	94%		
D100714ALCS	D100714ALCS	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	98%		
D100714ALCS	D100714ALCS	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	94%		
D100714ALCS	D100714ALCS	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	98%		
D100714ALCS	D100714ALCS	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	100%		
D100714ALCS	D100714ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	104%		
D100714ALCS	D100714ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	92%		
D100714ALCS	D100714ALCS	ORG 108-10-1	4-Methyl-2-pentanone	51		ug/L	5	0.74	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	102%		
D100714ALCS	D100714ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	110%		
D100714ALCS	D100714ALCS	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	90%		
D100714ALCS	D100714ALCS	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	90%		
D100714ALCS	D100714ALCS	ORG 124-48-1	Dibromochloromethane	53		ug/L	5	0.30	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	106%		
D100714ALCS	D100714ALCS	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	100%		
D100714ALCS	D100714ALCS	ORG 591-78-6	2-Hexanone	69		ug/L	2	0.69	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	138%		
D100714ALCS	D100714ALCS	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	110%		
D100714ALCS	D100714ALCS	ORG 108-90-7	Chlorobenzene	50		ug/L	1	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	100%		
D100714ALCS	D100714ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	53		ug/L	2	0.19	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	106%		
D100714ALCS	D100714ALCS	ORG XYLMP	p&m-Xylene	111		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	100	111%		
D100714ALCS	D100714ALCS	ORG 95-47-6	o-Xylene	58		ug/L	1	0.13	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	116%		
D100714ALCS	D100714ALCS	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	104%		
D100714ALCS	D100714ALCS	ORG 75-25-2	Bromoform	55		ug/L	2	0.47	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	110%		
D100714ALCS	D100714ALCS	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	108%		
D100714ALCS	D100714ALCS	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	112%		
D100714ALCS	D100714ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100714ALCS	D100714ALCS	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	94%		
D100714ALCS	D100714ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	112%		
D100714ALCS	D100714ALCS	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	108%		
D100714ALCS	D100714ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	104%		
D100714ALCS	D100714ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	104%		
D100714ALCS	D100714ALCS	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	104%		
D100714ALCS	D100714ALCS	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	104%		
D100714ALCS	D100714ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	98%		
D100714ALCS	D100714ALCS	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	104%		
D100714ALCS	D100714ALCS	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	110%		
D100714ALCS	D100714ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	55		ug/L	5	1.59	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	110%		
D100714ALCS	D100714ALCS	ORG 87-68-3	Hexachlorobutadiene	57		ug/L	5	0.65	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	114%		
D100714ALCS	D100714ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	52		ug/L	5	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	104%		
D100714ALCS	D100714ALCS	ORG 91-20-3	Naphthalene	49		ug/L	5	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	98%		
D100714ALCS	D100714ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	55		ug/L	5	0.23	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	110%		
D100714ALCS	D100714ALCS	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	100%		
D100714ALCS	D100714ALCS	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	96%		
D100714ALCS	D100714ALCS	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	98%		
D100714ALCS	D100714ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4896	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100714ALCD	D100714ALCD	ORG 75-71-8	Dichlorodifluoromethane	59		ug/L	5	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	118%	2%	
D100714ALCD	D100714ALCD	ORG 74-87-3	Chloromethane	47		ug/L	5	0.43	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	94%	2%	
D100714ALCD	D100714ALCD	ORG 75-01-4	Vinyl chloride	43		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	86%	2%	
D100714ALCD	D100714ALCD	ORG 74-83-9	Bromomethane	45		ug/L	5	0.50	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	90%	4%	
D100714ALCD	D100714ALCD	ORG 75-00-3	Chloroethane	39		ug/L	5	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	78%	8%	
D100714ALCD	D100714ALCD	ORG 75-69-4	Trichlorofluoromethane	62		ug/L	5	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	124%	0%	
D100714ALCD	D100714ALCD	ORG 75-35-4	1,1-Dichloroethene	41		ug/L	1	0.47	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	82%	0%	
D100714ALCD	D100714ALCD	ORG 75-09-2	Methylene chloride	47		ug/L	5	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	94%	4%	
D100714ALCD	D100714ALCD	ORG 67-64-1	Acetone	70		ug/L	10	1.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	140%	0%	
D100714ALCD	D100714ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	92%	0%	
D100714ALCD	D100714ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	98%	0%	
D100714ALCD	D100714ALCD	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	92%	0%	
D100714ALCD	D100714ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	96%	4%	
D100714ALCD	D100714ALCD	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	90%	4%	
D100714ALCD	D100714ALCD	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	94%	2%	
D100714ALCD	D100714ALCD	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	100%	2%	
D100714ALCD	D100714ALCD	ORG 78-93-3	2-Butanone	52		ug/L	1	0.81	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	104%	2%	
D100714ALCD	D100714ALCD	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	102%	4%	
D100714ALCD	D100714ALCD	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	96%	2%	
D100714ALCD	D100714ALCD	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	96%	2%	
D100714ALCD	D100714ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	96%	2%	
D100714ALCD	D100714ALCD	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	96%	2%	
D100714ALCD	D100714ALCD	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	94%	4%	
D100714ALCD	D100714ALCD	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	100%	0%	
D100714ALCD	D100714ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	106%	2%	
D100714ALCD	D100714ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	92%	0%	
D100714ALCD	D100714ALCD	ORG 108-10-1	4-Methyl-2-pentanone	51		ug/L	5	0.74	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	102%	0%	
D100714ALCD	D100714ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	112%	2%	
D100714ALCD	D100714ALCD	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	92%	2%	
D100714ALCD	D100714ALCD	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	88%	2%	
D100714ALCD	D100714ALCD	ORG 124-48-1	Dibromochloromethane	53		ug/L	5	0.30	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	106%	0%	
D100714ALCD	D100714ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	100%	0%	
D100714ALCD	D100714ALCD	ORG 591-78-6	2-Hexanone	68		ug/L	2	0.69	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	136%	1%	
D100714ALCD	D100714ALCD	ORG 100-41-4	Ethylbenzene	52		ug/L	1	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	104%	6%	
D100714ALCD	D100714ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	94%	6%	
D100714ALCD	D100714ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	102%	4%	
D100714ALCD	D100714ALCD	ORG XYLMP	p&m-Xylene	107		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	100	107%	4%	
D100714ALCD	D100714ALCD	ORG 95-47-6	o-Xylene	55		ug/L	1	0.13	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	110%	5%	
D100714ALCD	D100714ALCD	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	98%	6%	
D100714ALCD	D100714ALCD	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	106%	4%	
D100714ALCD	D100714ALCD	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	104%	4%	
D100714ALCD	D100714ALCD	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	108%	4%	
D100714ALCD	D100714ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	92%	4%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100714ALCD	D100714ALCD	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	92%	2%	
D100714ALCD	D100714ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	110%	2%	
D100714ALCD	D100714ALCD	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	106%	2%	
D100714ALCD	D100714ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	100%	4%	
D100714ALCD	D100714ALCD	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	102%	2%	
D100714ALCD	D100714ALCD	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	102%	2%	
D100714ALCD	D100714ALCD	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	100%	4%	
D100714ALCD	D100714ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	96%	2%	
D100714ALCD	D100714ALCD	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	102%	2%	
D100714ALCD	D100714ALCD	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	112%	2%	
D100714ALCD	D100714ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	51		ug/L	5	1.59	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	102%	8%	
D100714ALCD	D100714ALCD	ORG 87-68-3	Hexachlorobutadiene	56		ug/L	5	0.65	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	112%	2%	
D100714ALCD	D100714ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	100%	4%	
D100714ALCD	D100714ALCD	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	92%	6%	
D100714ALCD	D100714ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	54		ug/L	5	0.23	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	108%	2%	
D100714ALCD	D100714ALCD	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	102%	2%	
D100714ALCD	D100714ALCD	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	102%	6%	
D100714ALCD	D100714ALCD	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	98%	0%	
D100714ALCD	D100714ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/7/2014	10/7/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4900	50	102%	2%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1706MS	T1-029	ORG 75-71-8	Dichlorodifluoromethane	5900		ug/L	500	29.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	118%		
NAL13026-1706MS	T1-029	ORG 74-87-3	Chloromethane	4900		ug/L	500	43.07	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	98%		
NAL13026-1706MS	T1-029	ORG 75-01-4	Vinyl chloride	4400		ug/L	200	31.86	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	88%		
NAL13026-1706MS	T1-029	ORG 74-83-9	Bromomethane	4200		ug/L	500	50.04	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	84%		
NAL13026-1706MS	T1-029	ORG 75-00-3	Chloroethane	4100		ug/L	500	55.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	82%		
NAL13026-1706MS	T1-029	ORG 75-69-4	Trichlorofluoromethane	5600		ug/L	500	19.65	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	112%		
NAL13026-1706MS	T1-029	ORG 75-35-4	1,1-Dichloroethene	4100		ug/L	100	47.11	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	82%		
NAL13026-1706MS	T1-029	ORG 75-09-2	Methylene chloride	4800		ug/L	500	26.46	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	96%		
NAL13026-1706MS	T1-029	ORG 67-64-1	Acetone	79000		ug/L	1000	155.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	60%		76000
NAL13026-1706MS	T1-029	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	92%		
NAL13026-1706MS	T1-029	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	98%		
NAL13026-1706MS	T1-029	ORG 75-34-3	1,1-Dichloroethane	4700		ug/L	100	52.66	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	94%		
NAL13026-1706MS	T1-029	ORG 156-59-2	cis-1,2-Dichloroethene	4900		ug/L	100	32.11	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	98%		
NAL13026-1706MS	T1-029	ORG 74-97-5	Bromochloromethane	4600		ug/L	1000	41.37	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	92%		
NAL13026-1706MS	T1-029	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	94%		
NAL13026-1706MS	T1-029	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	100%		
NAL13026-1706MS	T1-029	ORG 78-93-3	2-Butanone	17000		ug/L	100	81.18	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	120%		11000
NAL13026-1706MS	T1-029	ORG 56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	102%		
NAL13026-1706MS	T1-029	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	96%		
NAL13026-1706MS	T1-029	ORG 107-06-2	1,2-Dichloroethane	4800		ug/L	100	20.01	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	96%		
NAL13026-1706MS	T1-029	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	96%		
NAL13026-1706MS	T1-029	ORG 74-95-3	Dibromomethane	4800		ug/L	200	32.20	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	96%		
NAL13026-1706MS	T1-029	ORG 78-87-5	1,2-Dichloropropane	4900		ug/L	100	18.17	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	98%		
NAL13026-1706MS	T1-029	ORG 75-27-4	Bromodichloromethane	5000		ug/L	200	11.58	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	100%		
NAL13026-1706MS	T1-029	ORG 10061-01-5	cis-1,3-Dichloropropene	5200		ug/L	100	25.01	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	104%		
NAL13026-1706MS	T1-029	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	92%		
NAL13026-1706MS	T1-029	ORG 108-10-1	4-Methyl-2-pentanone	5200		ug/L	500	74.00	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	100%		190
NAL13026-1706MS	T1-029	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	112%		
NAL13026-1706MS	T1-029	ORG 127-18-4	Tetrachloroethene	4700		ug/L	100	48.56	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	94%		
NAL13026-1706MS	T1-029	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	90%		
NAL13026-1706MS	T1-029	ORG 124-48-1	Dibromochloromethane	5200		ug/L	500	29.90	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	104%		
NAL13026-1706MS	T1-029	ORG 106-93-4	1,2-Dibromoethane	5000		ug/L	200	26.49	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	100%		
NAL13026-1706MS	T1-029	ORG 591-78-6	2-Hexanone	4400		ug/L	200	68.90	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	88%		
NAL13026-1706MS	T1-029	ORG 100-41-4	Ethylbenzene	5200		ug/L	100	25.38	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	104%		
NAL13026-1706MS	T1-029	ORG 108-90-7	Chlorobenzene	4600		ug/L	100	27.52	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	92%		
NAL13026-1706MS	T1-029	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	100%		
NAL13026-1706MS	T1-029	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	10000	110%		
NAL13026-1706MS	T1-029	ORG 95-47-6	o-Xylene	5500		ug/L	100	12.90	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	110%		
NAL13026-1706MS	T1-029	ORG 100-42-5	Styrene	5000		ug/L	100	20.23	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	100%		
NAL13026-1706MS	T1-029	ORG 75-25-2	Bromoform	5400		ug/L	200	46.83	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	108%		
NAL13026-1706MS	T1-029	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	104%		
NAL13026-1706MS	T1-029	ORG 103-65-1	n-Propylbenzene	5400		ug/L	200	27.00	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	108%		
NAL13026-1706MS	T1-029	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	94%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1706MS	T1-029	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	94%		
NAL13026-1706MS	T1-029	ORG 108-67-8	1,3,5-Trimethylbenzene	5400		ug/L	200	20.03	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	108%		
NAL13026-1706MS	T1-029	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	104%		
NAL13026-1706MS	T1-029	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	100%		
NAL13026-1706MS	T1-029	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	102%		
NAL13026-1706MS	T1-029	ORG 541-73-1	1,3-Dichlorobenzene	4900		ug/L	200	22.21	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	98%		
NAL13026-1706MS	T1-029	ORG 99-87-6	p-Isopropyltoluene	5100		ug/L	200	25.48	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	96%		290
NAL13026-1706MS	T1-029	ORG 106-46-7	1,4-Dichlorobenzene	4700		ug/L	200	33.03	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	94%		
NAL13026-1706MS	T1-029	ORG 95-50-1	1,2-Dichlorobenzene	5100		ug/L	200	26.38	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	102%		
NAL13026-1706MS	T1-029	ORG 104-51-8	n-Butylbenzene	5500		ug/L	500	27.81	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	110%		
NAL13026-1706MS	T1-029	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5700		ug/L	500	159.11	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	114%		
NAL13026-1706MS	T1-029	ORG 87-68-3	Hexachlorobutadiene	5600		ug/L	500	65.42	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	112%		
NAL13026-1706MS	T1-029	ORG 120-82-1	1,2,4-Trichlorobenzene	5100		ug/L	500	27.63	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	102%		
NAL13026-1706MS	T1-029	ORG 91-20-3	Naphthalene	5200		ug/L	500	56.04	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	102%		110
NAL13026-1706MS	T1-029	ORG 87-61-6	1,2,3-Trichlorobenzene	5400		ug/L	500	23.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	5000	108%		
NAL13026-1706MS	T1-029	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	50	100%		
NAL13026-1706MS	T1-029	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	50	100%		
NAL13026-1706MS	T1-029	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	50	96%		
NAL13026-1706MS	T1-029	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4901	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1706MSD	T1-029	ORG 75-71-8	Dichlorodifluoromethane	6000		ug/L	500	29.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	120%	2%	
NAL13026-1706MSD	T1-029	ORG 74-87-3	Chloromethane	5200		ug/L	500	43.07	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	104%	6%	
NAL13026-1706MSD	T1-029	ORG 75-01-4	Vinyl chloride	4400		ug/L	200	31.86	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	88%	0%	
NAL13026-1706MSD	T1-029	ORG 74-83-9	Bromomethane	4400		ug/L	500	50.04	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	88%	5%	
NAL13026-1706MSD	T1-029	ORG 75-00-3	Chloroethane	4100		ug/L	500	55.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	82%	0%	
NAL13026-1706MSD	T1-029	ORG 75-69-4	Trichlorofluoromethane	6300		ug/L	500	19.65	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	126%	12%	
NAL13026-1706MSD	T1-029	ORG 75-35-4	1,1-Dichloroethene	6200		ug/L	100	47.11	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	124%	41%	
NAL13026-1706MSD	T1-029	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	94%	2%	
NAL13026-1706MSD	T1-029	ORG 67-64-1	Acetone	84000		ug/L	1000	155.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	160%	6%	76000
NAL13026-1706MSD	T1-029	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	94%	2%	
NAL13026-1706MSD	T1-029	ORG 1634-04-4	MTBE	5300		ug/L	500	61.18	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	106%	8%	
NAL13026-1706MSD	T1-029	ORG 75-34-3	1,1-Dichloroethane	4700		ug/L	100	52.66	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	94%	0%	
NAL13026-1706MSD	T1-029	ORG 156-59-2	cis-1,2-Dichloroethene	5000		ug/L	100	32.11	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	100%	2%	
NAL13026-1706MSD	T1-029	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	94%	2%	
NAL13026-1706MSD	T1-029	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	94%	0%	
NAL13026-1706MSD	T1-029	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	100%	0%	
NAL13026-1706MSD	T1-029	ORG 78-93-3	2-Butanone	19000		ug/L	100	81.18	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	160%	11%	11000
NAL13026-1706MSD	T1-029	ORG 56-23-5	Carbon tetrachloride	5300		ug/L	100	27.64	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	106%	4%	
NAL13026-1706MSD	T1-029	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	98%	2%	
NAL13026-1706MSD	T1-029	ORG 107-06-2	1,2-Dichloroethane	4900		ug/L	100	20.01	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	98%	2%	
NAL13026-1706MSD	T1-029	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	98%	2%	
NAL13026-1706MSD	T1-029	ORG 74-95-3	Dibromomethane	5100		ug/L	200	32.20	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	102%	6%	
NAL13026-1706MSD	T1-029	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	100%	2%	
NAL13026-1706MSD	T1-029	ORG 75-27-4	Bromodichloromethane	5000		ug/L	200	11.58	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	100%	0%	
NAL13026-1706MSD	T1-029	ORG 10061-01-5	cis-1,3-Dichloropropene	5400		ug/L	100	25.01	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	108%	4%	
NAL13026-1706MSD	T1-029	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	94%	2%	
NAL13026-1706MSD	T1-029	ORG 108-10-1	4-Methyl-2-pentanone	5300		ug/L	500	74.00	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	102%	2%	190
NAL13026-1706MSD	T1-029	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	112%	0%	
NAL13026-1706MSD	T1-029	ORG 127-18-4	Tetrachloroethene	4800		ug/L	100	48.56	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	96%	2%	
NAL13026-1706MSD	T1-029	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	90%	0%	
NAL13026-1706MSD	T1-029	ORG 124-48-1	Dibromochloromethane	5200		ug/L	500	29.90	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	104%	0%	
NAL13026-1706MSD	T1-029	ORG 106-93-4	1,2-Dibromoethane	5100		ug/L	200	26.49	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	102%	2%	
NAL13026-1706MSD	T1-029	ORG 591-78-6	2-Hexanone	4200		ug/L	200	68.90	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	84%	5%	
NAL13026-1706MSD	T1-029	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	108%	4%	
NAL13026-1706MSD	T1-029	ORG 108-90-7	Chlorobenzene	4900		ug/L	100	27.52	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	98%	6%	
NAL13026-1706MSD	T1-029	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5200		ug/L	200	19.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	104%	4%	
NAL13026-1706MSD	T1-029	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	10000	110%	0%	
NAL13026-1706MSD	T1-029	ORG 95-47-6	o-Xylene	5800		ug/L	100	12.90	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	116%	5%	
NAL13026-1706MSD	T1-029	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	104%	4%	
NAL13026-1706MSD	T1-029	ORG 75-25-2	Bromoform	5500		ug/L	200	46.83	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	110%	2%	
NAL13026-1706MSD	T1-029	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	108%	4%	
NAL13026-1706MSD	T1-029	ORG 103-65-1	n-Propylbenzene	5600		ug/L	200	27.00	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	112%	4%	
NAL13026-1706MSD	T1-029	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	96%	2%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1706MSD	T1-029	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	94%	0%	
NAL13026-1706MSD	T1-029	ORG 108-67-8	1,3,5-Trimethylbenzene	5600		ug/L	200	20.03	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	112%	4%	
NAL13026-1706MSD	T1-029	ORG 98-06-6	tert-Butylbenzene	5400		ug/L	200	32.61	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	108%	4%	
NAL13026-1706MSD	T1-029	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	106%	6%	
NAL13026-1706MSD	T1-029	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	106%	4%	
NAL13026-1706MSD	T1-029	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	106%	8%	
NAL13026-1706MSD	T1-029	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	100%	4%	290
NAL13026-1706MSD	T1-029	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	98%	4%	
NAL13026-1706MSD	T1-029	ORG 95-50-1	1,2-Dichlorobenzene	5300		ug/L	200	26.38	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	106%	4%	
NAL13026-1706MSD	T1-029	ORG 104-51-8	n-Butylbenzene	5700		ug/L	500	27.81	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	114%	4%	
NAL13026-1706MSD	T1-029	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5700		ug/L	500	159.11	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	114%	0%	
NAL13026-1706MSD	T1-029	ORG 87-68-3	Hexachlorobutadiene	5900		ug/L	500	65.42	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	118%	5%	
NAL13026-1706MSD	T1-029	ORG 120-82-1	1,2,4-Trichlorobenzene	5400		ug/L	500	27.63	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	108%	6%	
NAL13026-1706MSD	T1-029	ORG 91-20-3	Naphthalene	5400		ug/L	500	56.04	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	106%	4%	110
NAL13026-1706MSD	T1-029	ORG 87-61-6	1,2,3-Trichlorobenzene	5700		ug/L	500	23.28	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	5000	114%	5%	
NAL13026-1706MSD	T1-029	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	50	100%	0%	
NAL13026-1706MSD	T1-029	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	50	100%	0%	
NAL13026-1706MSD	T1-029	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	50	96%	0%	
NAL13026-1706MSD	T1-029	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/7/2014	10/7/2014	10/7/2014	WG	100	NA	5.0	NA	SW8260B	NALD4902	50	104%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1707	T1-030	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 67-64-1	Acetone	60000	D	ug/L	10000	1556.07	10/8/2014	10/8/2014	10/8/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4908				
NAL13026-1707	T1-030	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 78-93-3	2-Butanone	8800	U	ug/L	1000	81.18	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 108-10-1	4-Methyl-2-pentanone	93	J	ug/L	500	74.00	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1707	T1-030	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	200	25.48	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	200	33.03	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 91-20-3	Naphthalene	110	J	ug/L	500	56.04	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907				
NAL13026-1707	T1-030	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907	50	98%		
NAL13026-1707	T1-030	STD 17060-07-0	1,2-Dichloroethane d4	54		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907	50	108%		
NAL13026-1707	T1-030	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907	50	104%		
NAL13026-1707	T1-030	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4907	50	106%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100814CCVA	D100814CCVA	ORG 75-71-8	Dichlorodifluoromethane	60		ug/L	5	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	120%		
D100814CCVA	D100814CCVA	ORG 74-87-3	Chloromethane	51		ug/L	5	0.43	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	102%		
D100814CCVA	D100814CCVA	ORG 75-01-4	Vinyl chloride	47		ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	94%		
D100814CCVA	D100814CCVA	ORG 74-83-9	Bromomethane	55		ug/L	5	0.50	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	110%		
D100814CCVA	D100814CCVA	ORG 75-00-3	Chloroethane	42		ug/L	5	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	84%		
D100814CCVA	D100814CCVA	ORG 75-69-4	Trichlorofluoromethane	61		ug/L	5	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	122%		
D100814CCVA	D100814CCVA	ORG 75-35-4	1,1-Dichloroethene	43		ug/L	1	0.47	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	86%		
D100814CCVA	D100814CCVA	ORG 75-09-2	Methylene chloride	50		ug/L	5	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	100%		
D100814CCVA	D100814CCVA	ORG 67-64-1	Acetone	52		ug/L	10	1.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	104%		
D100814CCVA	D100814CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	94%		
D100814CCVA	D100814CCVA	ORG 1634-04-4	MTBE	50		ug/L	5	0.61	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	100%		
D100814CCVA	D100814CCVA	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	92%		
D100814CCVA	D100814CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	96%		
D100814CCVA	D100814CCVA	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	92%		
D100814CCVA	D100814CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	90%		
D100814CCVA	D100814CCVA	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	96%		
D100814CCVA	D100814CCVA	ORG 78-93-3	2-Butanone	49		ug/L	1	0.81	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	98%		
D100814CCVA	D100814CCVA	ORG 56-23-5	Carbon tetrachloride	48		ug/L	1	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	96%		
D100814CCVA	D100814CCVA	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	94%		
D100814CCVA	D100814CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	90%		
D100814CCVA	D100814CCVA	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	94%		
D100814CCVA	D100814CCVA	ORG 74-95-3	Dibromomethane	45		ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	90%		
D100814CCVA	D100814CCVA	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	94%		
D100814CCVA	D100814CCVA	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	96%		
D100814CCVA	D100814CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	104%		
D100814CCVA	D100814CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	92%		
D100814CCVA	D100814CCVA	ORG 108-10-1	4-Methyl-2-pentanone	51		ug/L	5	0.74	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	102%		
D100814CCVA	D100814CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	53		ug/L	1	0.31	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	106%		
D100814CCVA	D100814CCVA	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	82%		
D100814CCVA	D100814CCVA	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	88%		
D100814CCVA	D100814CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	100%		
D100814CCVA	D100814CCVA	ORG 106-93-4	1,2-Dibromoethane	47		ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	94%		
D100814CCVA	D100814CCVA	ORG 591-78-6	2-Hexanone	67		ug/L	2	0.69	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	134%		
D100814CCVA	D100814CCVA	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	106%		
D100814CCVA	D100814CCVA	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	94%		
D100814CCVA	D100814CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	100%		
D100814CCVA	D100814CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	100	110%		
D100814CCVA	D100814CCVA	ORG 95-47-6	o-Xylene	55		ug/L	1	0.13	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	110%		
D100814CCVA	D100814CCVA	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	98%		
D100814CCVA	D100814CCVA	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	100%		
D100814CCVA	D100814CCVA	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	104%		
D100814CCVA	D100814CCVA	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	110%		
D100814CCVA	D100814CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	44		ug/L	2	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4904	50	88%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Table with 24 columns: Lab ID, Sample ID, CAS #, ANALYTES, Results, QC, Units, RDL, MDL, Sample Date, Prep. Date, Analysis Date, Matrix, Dil., Weight(g), Vol.(ml), % Solid, Method, Data file, Spike, % Rec, % RPD, Parent. It contains 24 rows of analytical data for various compounds like Trichloropropane, tert-Butylbenzene, etc.



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100814MBKA	D100814MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100814MBKA	D100814MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906				
D100814MBKA	D100814MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906	50	98%		
D100814MBKA	D100814MBKA	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906	50	104%		
D100814MBKA	D100814MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906	50	104%		
D100814MBKA	D100814MBKA	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4906	50	108%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100814ALCS	D100814ALCS	ORG 75-71-8	Dichlorodifluoromethane	58		ug/L	5	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	116%		
D100814ALCS	D100814ALCS	ORG 74-87-3	Chloromethane	46		ug/L	5	0.43	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	92%		
D100814ALCS	D100814ALCS	ORG 75-01-4	Vinyl chloride	46		ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	92%		
D100814ALCS	D100814ALCS	ORG 74-83-9	Bromomethane	53		ug/L	5	0.50	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	106%		
D100814ALCS	D100814ALCS	ORG 75-00-3	Chloroethane	40		ug/L	5	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	80%		
D100814ALCS	D100814ALCS	ORG 75-69-4	Trichlorofluoromethane	81		ug/L	5	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	162%		
D100814ALCS	D100814ALCS	ORG 75-35-4	1,1-Dichloroethene	41		ug/L	1	0.47	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	82%		
D100814ALCS	D100814ALCS	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	96%		
D100814ALCS	D100814ALCS	ORG 67-64-1	Acetone	71		ug/L	10	1.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	142%		
D100814ALCS	D100814ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	94%		
D100814ALCS	D100814ALCS	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	104%		
D100814ALCS	D100814ALCS	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	94%		
D100814ALCS	D100814ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	98%		
D100814ALCS	D100814ALCS	ORG 74-97-5	Bromochloromethane	47		ug/L	10	0.41	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	94%		
D100814ALCS	D100814ALCS	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	92%		
D100814ALCS	D100814ALCS	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	98%		
D100814ALCS	D100814ALCS	ORG 78-93-3	2-Butanone	59		ug/L	1	0.81	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	118%		
D100814ALCS	D100814ALCS	ORG 56-23-5	Carbon tetrachloride	48		ug/L	1	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	96%		
D100814ALCS	D100814ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	98%		
D100814ALCS	D100814ALCS	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	96%		
D100814ALCS	D100814ALCS	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	94%		
D100814ALCS	D100814ALCS	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	98%		
D100814ALCS	D100814ALCS	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	98%		
D100814ALCS	D100814ALCS	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	96%		
D100814ALCS	D100814ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	104%		
D100814ALCS	D100814ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	90%		
D100814ALCS	D100814ALCS	ORG 108-10-1	4-Methyl-2-pentanone	58		ug/L	5	0.74	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	116%		
D100814ALCS	D100814ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	114%		
D100814ALCS	D100814ALCS	ORG 127-18-4	Tetrachloroethene	42		ug/L	1	0.49	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	84%		
D100814ALCS	D100814ALCS	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	90%		
D100814ALCS	D100814ALCS	ORG 124-48-1	Dibromochloromethane	53		ug/L	5	0.30	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	106%		
D100814ALCS	D100814ALCS	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	100%		
D100814ALCS	D100814ALCS	ORG 591-78-6	2-Hexanone	83		ug/L	2	0.69	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	166%		
D100814ALCS	D100814ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	108%		
D100814ALCS	D100814ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	96%		
D100814ALCS	D100814ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	53		ug/L	2	0.19	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	106%		
D100814ALCS	D100814ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	100	110%		
D100814ALCS	D100814ALCS	ORG 95-47-6	o-Xylene	57		ug/L	1	0.13	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	114%		
D100814ALCS	D100814ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	100%		
D100814ALCS	D100814ALCS	ORG 75-25-2	Bromoform	55		ug/L	2	0.47	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	110%		
D100814ALCS	D100814ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	106%		
D100814ALCS	D100814ALCS	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	112%		
D100814ALCS	D100814ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	52		ug/L	2	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100814ALCS	D100814ALCS	ORG 96-18-4	1,2,3-Trichloropropane	51		ug/L	2	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	102%		
D100814ALCS	D100814ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	112%		
D100814ALCS	D100814ALCS	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	110%		
D100814ALCS	D100814ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	104%		
D100814ALCS	D100814ALCS	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	106%		
D100814ALCS	D100814ALCS	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	104%		
D100814ALCS	D100814ALCS	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	106%		
D100814ALCS	D100814ALCS	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	100%		
D100814ALCS	D100814ALCS	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	104%		
D100814ALCS	D100814ALCS	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	112%		
D100814ALCS	D100814ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	60		ug/L	5	1.59	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	120%		
D100814ALCS	D100814ALCS	ORG 87-68-3	Hexachlorobutadiene	58		ug/L	5	0.65	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	116%		
D100814ALCS	D100814ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	51		ug/L	5	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	102%		
D100814ALCS	D100814ALCS	ORG 91-20-3	Naphthalene	51		ug/L	5	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	102%		
D100814ALCS	D100814ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	56		ug/L	5	0.23	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	112%		
D100814ALCS	D100814ALCS	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	100%		
D100814ALCS	D100814ALCS	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	100%		
D100814ALCS	D100814ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	96%		
D100814ALCS	D100814ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4905	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100814ALCD	D100814ALCD	ORG 75-71-8	Dichlorodifluoromethane	59		ug/L	5	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	118%	2%	
D100814ALCD	D100814ALCD	ORG 74-87-3	Chloromethane	49		ug/L	5	0.43	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	98%	6%	
D100814ALCD	D100814ALCD	ORG 75-01-4	Vinyl chloride	46		ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	92%	0%	
D100814ALCD	D100814ALCD	ORG 74-83-9	Bromomethane	43		ug/L	5	0.50	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	86%	21%	
D100814ALCD	D100814ALCD	ORG 75-00-3	Chloroethane	43		ug/L	5	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	86%	7%	
D100814ALCD	D100814ALCD	ORG 75-69-4	Trichlorofluoromethane	68		ug/L	5	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	136%	17%	
D100814ALCD	D100814ALCD	ORG 75-35-4	1,1-Dichloroethene	43		ug/L	1	0.47	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	86%	5%	
D100814ALCD	D100814ALCD	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	96%	0%	
D100814ALCD	D100814ALCD	ORG 67-64-1	Acetone	57		ug/L	10	1.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	114%	22%	
D100814ALCD	D100814ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	94%	0%	
D100814ALCD	D100814ALCD	ORG 1634-04-4	MTBE	48		ug/L	5	0.61	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	96%	8%	
D100814ALCD	D100814ALCD	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	92%	2%	
D100814ALCD	D100814ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	47		ug/L	1	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	94%	4%	
D100814ALCD	D100814ALCD	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	92%	2%	
D100814ALCD	D100814ALCD	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	94%	2%	
D100814ALCD	D100814ALCD	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	102%	4%	
D100814ALCD	D100814ALCD	ORG 78-93-3	2-Butanone	54		ug/L	1	0.81	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	108%	9%	
D100814ALCD	D100814ALCD	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	102%	6%	
D100814ALCD	D100814ALCD	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	96%	2%	
D100814ALCD	D100814ALCD	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	96%	0%	
D100814ALCD	D100814ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	96%	2%	
D100814ALCD	D100814ALCD	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	94%	4%	
D100814ALCD	D100814ALCD	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	96%	2%	
D100814ALCD	D100814ALCD	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	100%	4%	
D100814ALCD	D100814ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	104%	0%	
D100814ALCD	D100814ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	92%	2%	
D100814ALCD	D100814ALCD	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	108%	7%	
D100814ALCD	D100814ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	112%	2%	
D100814ALCD	D100814ALCD	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	82%	2%	
D100814ALCD	D100814ALCD	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	90%	0%	
D100814ALCD	D100814ALCD	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	104%	2%	
D100814ALCD	D100814ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	100%	0%	
D100814ALCD	D100814ALCD	ORG 591-78-6	2-Hexanone	74		ug/L	2	0.69	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	148%	11%	
D100814ALCD	D100814ALCD	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	106%	2%	
D100814ALCD	D100814ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	94%	2%	
D100814ALCD	D100814ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	102%	4%	
D100814ALCD	D100814ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	100	110%	0%	
D100814ALCD	D100814ALCD	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	112%	2%	
D100814ALCD	D100814ALCD	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	100%	0%	
D100814ALCD	D100814ALCD	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	104%	6%	
D100814ALCD	D100814ALCD	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	106%	0%	
D100814ALCD	D100814ALCD	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	112%	0%	
D100814ALCD	D100814ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	94%	10%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100814ALCD	D100814ALCD	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	92%	10%	
D100814ALCD	D100814ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	57		ug/L	2	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	114%	2%	
D100814ALCD	D100814ALCD	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	110%	0%	
D100814ALCD	D100814ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	104%	0%	
D100814ALCD	D100814ALCD	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	108%	2%	
D100814ALCD	D100814ALCD	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	104%	0%	
D100814ALCD	D100814ALCD	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	106%	0%	
D100814ALCD	D100814ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	96%	4%	
D100814ALCD	D100814ALCD	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	102%	2%	
D100814ALCD	D100814ALCD	ORG 104-51-8	n-Butylbenzene	58		ug/L	5	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	116%	4%	
D100814ALCD	D100814ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	52		ug/L	5	1.59	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	104%	14%	
D100814ALCD	D100814ALCD	ORG 87-68-3	Hexachlorobutadiene	58		ug/L	5	0.65	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	116%	0%	
D100814ALCD	D100814ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	51		ug/L	5	0.28	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	102%	0%	
D100814ALCD	D100814ALCD	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	92%	10%	
D100814ALCD	D100814ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	56		ug/L	5	0.23	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	112%	0%	
D100814ALCD	D100814ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	100%	0%	
D100814ALCD	D100814ALCD	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	100%	0%	
D100814ALCD	D100814ALCD	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	98%	2%	
D100814ALCD	D100814ALCD	STD 460-00-4	Bromofluorobenzene	50		ug/L	1	0.10	NA	10/8/2014	10/8/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4909	50	100%	4%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1707MS	T1-030	ORG 75-71-8	Dichlorodifluoromethane	5900		ug/L	500	29.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	118%		
NAL13026-1707MS	T1-030	ORG 74-87-3	Chloromethane	5000		ug/L	500	43.07	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	100%		
NAL13026-1707MS	T1-030	ORG 75-01-4	Vinyl chloride	4300		ug/L	200	31.86	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	86%		
NAL13026-1707MS	T1-030	ORG 74-83-9	Bromomethane	4000		ug/L	500	50.04	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	80%		
NAL13026-1707MS	T1-030	ORG 75-00-3	Chloroethane	4100		ug/L	500	55.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	82%		
NAL13026-1707MS	T1-030	ORG 75-69-4	Trichlorofluoromethane	5800		ug/L	500	19.65	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	116%		
NAL13026-1707MS	T1-030	ORG 75-35-4	1,1-Dichloroethene	4000		ug/L	100	47.11	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	80%		
NAL13026-1707MS	T1-030	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	94%		
NAL13026-1707MS	T1-030	ORG 67-64-1	Acetone	60000		ug/L	1000	155.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	0%		60000
NAL13026-1707MS	T1-030	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	90%		
NAL13026-1707MS	T1-030	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	98%		
NAL13026-1707MS	T1-030	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	90%		
NAL13026-1707MS	T1-030	ORG 156-59-2	cis-1,2-Dichloroethene	4700		ug/L	100	32.11	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	94%		
NAL13026-1707MS	T1-030	ORG 74-97-5	Bromochloromethane	4600		ug/L	1000	41.37	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	92%		
NAL13026-1707MS	T1-030	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	92%		
NAL13026-1707MS	T1-030	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	98%		
NAL13026-1707MS	T1-030	ORG 78-93-3	2-Butanone	13000		ug/L	100	81.18	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	84%		8800
NAL13026-1707MS	T1-030	ORG 56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	102%		
NAL13026-1707MS	T1-030	ORG 71-43-2	Benzene	4700		ug/L	100	13.53	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	94%		
NAL13026-1707MS	T1-030	ORG 107-06-2	1,2-Dichloroethane	4700		ug/L	100	20.01	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	94%		
NAL13026-1707MS	T1-030	ORG 79-01-6	Trichloroethene	4700		ug/L	100	36.33	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	94%		
NAL13026-1707MS	T1-030	ORG 74-95-3	Dibromomethane	4500		ug/L	200	32.20	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	90%		
NAL13026-1707MS	T1-030	ORG 78-87-5	1,2-Dichloropropane	4800		ug/L	100	18.17	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	96%		
NAL13026-1707MS	T1-030	ORG 75-27-4	Bromodichloromethane	4800		ug/L	200	11.58	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	96%		
NAL13026-1707MS	T1-030	ORG 10061-01-5	cis-1,3-Dichloropropene	5100		ug/L	100	25.01	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	102%		
NAL13026-1707MS	T1-030	ORG 108-88-3	Toluene	4500		ug/L	100	20.96	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	90%		
NAL13026-1707MS	T1-030	ORG 108-10-1	4-Methyl-2-pentanone	5100		ug/L	500	74.00	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	100%		93
NAL13026-1707MS	T1-030	ORG 10061-02-6	trans-1,3-Dichloropropene	5400		ug/L	100	31.15	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	108%		
NAL13026-1707MS	T1-030	ORG 127-18-4	Tetrachloroethene	4000		ug/L	100	48.56	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	80%		
NAL13026-1707MS	T1-030	ORG 79-00-5	1,1,2-Trichloroethane	4400		ug/L	100	34.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	88%		
NAL13026-1707MS	T1-030	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	98%		
NAL13026-1707MS	T1-030	ORG 106-93-4	1,2-Dibromoethane	4800		ug/L	200	26.49	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	96%		
NAL13026-1707MS	T1-030	ORG 591-78-6	2-Hexanone	5100		ug/L	200	68.90	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	102%		
NAL13026-1707MS	T1-030	ORG 100-41-4	Ethylbenzene	5300		ug/L	100	25.38	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	106%		
NAL13026-1707MS	T1-030	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	94%		
NAL13026-1707MS	T1-030	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	100%		
NAL13026-1707MS	T1-030	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	10000	110%		
NAL13026-1707MS	T1-030	ORG 95-47-6	o-Xylene	5500		ug/L	100	12.90	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	110%		
NAL13026-1707MS	T1-030	ORG 100-42-5	Styrene	4900		ug/L	100	20.23	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	98%		
NAL13026-1707MS	T1-030	ORG 75-25-2	Bromoform	5100		ug/L	200	46.83	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	102%		
NAL13026-1707MS	T1-030	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	104%		
NAL13026-1707MS	T1-030	ORG 103-65-1	n-Propylbenzene	5400		ug/L	200	27.00	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	108%		
NAL13026-1707MS	T1-030	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29.16	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	92%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1707MS	T1-030	ORG 96-18-4	1,2,3-Trichloropropane	4500		ug/L	200	29.47	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	90%		
NAL13026-1707MS	T1-030	ORG 108-67-8	1,3,5-Trimethylbenzene	5500		ug/L	200	20.03	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	110%		
NAL13026-1707MS	T1-030	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	106%		
NAL13026-1707MS	T1-030	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	102%		
NAL13026-1707MS	T1-030	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	104%		
NAL13026-1707MS	T1-030	ORG 541-73-1	1,3-Dichlorobenzene	5000		ug/L	200	22.21	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	100%		
NAL13026-1707MS	T1-030	ORG 99-87-6	p-Isopropyltoluene	5100		ug/L	200	25.48	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	102%		
NAL13026-1707MS	T1-030	ORG 106-46-7	1,4-Dichlorobenzene	4700		ug/L	200	33.03	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	94%		
NAL13026-1707MS	T1-030	ORG 95-50-1	1,2-Dichlorobenzene	5000		ug/L	200	26.38	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	100%		
NAL13026-1707MS	T1-030	ORG 104-51-8	n-Butylbenzene	5600		ug/L	500	27.81	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	112%		
NAL13026-1707MS	T1-030	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5300		ug/L	500	159.11	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	106%		
NAL13026-1707MS	T1-030	ORG 87-68-3	Hexachlorobutadiene	5800		ug/L	500	65.42	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	116%		
NAL13026-1707MS	T1-030	ORG 120-82-1	1,2,4-Trichlorobenzene	5200		ug/L	500	27.63	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	104%		
NAL13026-1707MS	T1-030	ORG 91-20-3	Naphthalene	5000		ug/L	500	56.04	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	98%		110
NAL13026-1707MS	T1-030	ORG 87-61-6	1,2,3-Trichlorobenzene	5400		ug/L	500	23.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	5000	108%		
NAL13026-1707MS	T1-030	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	50	100%		
NAL13026-1707MS	T1-030	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	50	98%		
NAL13026-1707MS	T1-030	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	50	98%		
NAL13026-1707MS	T1-030	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4910	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1707MSD	T1-030	ORG 75-71-8	Dichlorodifluoromethane	5800		ug/L	500	29.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	116%	2%	
NAL13026-1707MSD	T1-030	ORG 74-87-3	Chloromethane	5200		ug/L	500	43.07	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	104%	4%	
NAL13026-1707MSD	T1-030	ORG 75-01-4	Vinyl chloride	4600		ug/L	200	31.86	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	92%	7%	
NAL13026-1707MSD	T1-030	ORG 74-83-9	Bromomethane	4700		ug/L	500	50.04	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	94%	16%	
NAL13026-1707MSD	T1-030	ORG 75-00-3	Chloroethane	4000		ug/L	500	55.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	80%	2%	
NAL13026-1707MSD	T1-030	ORG 75-69-4	Trichlorofluoromethane	8500		ug/L	500	19.65	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	170%	38%	
NAL13026-1707MSD	T1-030	ORG 75-35-4	1,1-Dichloroethene	4500		ug/L	100	47.11	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	90%	12%	
NAL13026-1707MSD	T1-030	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	94%	0%	
NAL13026-1707MSD	T1-030	ORG 67-64-1	Acetone	64000		ug/L	1000	155.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	80%	6%	60000
NAL13026-1707MSD	T1-030	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	92%	2%	
NAL13026-1707MSD	T1-030	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	100%	2%	
NAL13026-1707MSD	T1-030	ORG 75-34-3	1,1-Dichloroethane	4700		ug/L	100	52.66	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	94%	4%	
NAL13026-1707MSD	T1-030	ORG 156-59-2	cis-1,2-Dichloroethene	4800		ug/L	100	32.11	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	96%	2%	
NAL13026-1707MSD	T1-030	ORG 74-97-5	Bromochloromethane	4400		ug/L	1000	41.37	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	88%	4%	
NAL13026-1707MSD	T1-030	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	92%	0%	
NAL13026-1707MSD	T1-030	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	100%	2%	
NAL13026-1707MSD	T1-030	ORG 78-93-3	2-Butanone	15000		ug/L	100	81.18	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	124%	14%	8800
NAL13026-1707MSD	T1-030	ORG 56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	102%	0%	
NAL13026-1707MSD	T1-030	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	96%	2%	
NAL13026-1707MSD	T1-030	ORG 107-06-2	1,2-Dichloroethane	4700		ug/L	100	20.01	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	94%	0%	
NAL13026-1707MSD	T1-030	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	96%	2%	
NAL13026-1707MSD	T1-030	ORG 74-95-3	Dibromomethane	4800		ug/L	200	32.20	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	96%	6%	
NAL13026-1707MSD	T1-030	ORG 78-87-5	1,2-Dichloropropane	4900		ug/L	100	18.17	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	98%	2%	
NAL13026-1707MSD	T1-030	ORG 75-27-4	Bromodichloromethane	4900		ug/L	200	11.58	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	98%	2%	
NAL13026-1707MSD	T1-030	ORG 10061-01-5	cis-1,3-Dichloropropene	5100		ug/L	100	25.01	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	102%	0%	
NAL13026-1707MSD	T1-030	ORG 108-88-3	Toluene	4500		ug/L	100	20.96	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	90%	0%	
NAL13026-1707MSD	T1-030	ORG 108-10-1	4-Methyl-2-pentanone	4900		ug/L	500	74.00	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	96%	4%	93
NAL13026-1707MSD	T1-030	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	110%	2%	
NAL13026-1707MSD	T1-030	ORG 127-18-4	Tetrachloroethene	4300		ug/L	100	48.56	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	86%	7%	
NAL13026-1707MSD	T1-030	ORG 79-00-5	1,1,2-Trichloroethane	4400		ug/L	100	34.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	88%	0%	
NAL13026-1707MSD	T1-030	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	102%	4%	
NAL13026-1707MSD	T1-030	ORG 106-93-4	1,2-Dibromoethane	4800		ug/L	200	26.49	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	96%	0%	
NAL13026-1707MSD	T1-030	ORG 591-78-6	2-Hexanone	4500		ug/L	200	68.90	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	90%	13%	
NAL13026-1707MSD	T1-030	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	108%	2%	
NAL13026-1707MSD	T1-030	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	96%	2%	
NAL13026-1707MSD	T1-030	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	100%	0%	
NAL13026-1707MSD	T1-030	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	10000	110%	0%	
NAL13026-1707MSD	T1-030	ORG 95-47-6	o-Xylene	5700		ug/L	100	12.90	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	114%	4%	
NAL13026-1707MSD	T1-030	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	102%	4%	
NAL13026-1707MSD	T1-030	ORG 75-25-2	Bromoform	5200		ug/L	200	46.83	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	104%	2%	
NAL13026-1707MSD	T1-030	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	104%	0%	
NAL13026-1707MSD	T1-030	ORG 103-65-1	n-Propylbenzene	5500		ug/L	200	27.00	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	110%	2%	
NAL13026-1707MSD	T1-030	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	94%	2%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1707MSD	T1-030	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	92%	2%	
NAL13026-1707MSD	T1-030	ORG 108-67-8	1,3,5-Trimethylbenzene	5600		ug/L	200	20.03	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	112%	2%	
NAL13026-1707MSD	T1-030	ORG 98-06-6	tert-Butylbenzene	5400		ug/L	200	32.61	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	108%	2%	
NAL13026-1707MSD	T1-030	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	102%	0%	
NAL13026-1707MSD	T1-030	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	106%	2%	
NAL13026-1707MSD	T1-030	ORG 541-73-1	1,3-Dichlorobenzene	5100		ug/L	200	22.21	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	102%	2%	
NAL13026-1707MSD	T1-030	ORG 99-87-6	p-Isopropyltoluene	5200		ug/L	200	25.48	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	104%	2%	
NAL13026-1707MSD	T1-030	ORG 106-46-7	1,4-Dichlorobenzene	4800		ug/L	200	33.03	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	96%	2%	
NAL13026-1707MSD	T1-030	ORG 95-50-1	1,2-Dichlorobenzene	5100		ug/L	200	26.38	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	102%	2%	
NAL13026-1707MSD	T1-030	ORG 104-51-8	n-Butylbenzene	5700		ug/L	500	27.81	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	114%	2%	
NAL13026-1707MSD	T1-030	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5300		ug/L	500	159.11	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	106%	0%	
NAL13026-1707MSD	T1-030	ORG 87-68-3	Hexachlorobutadiene	5700		ug/L	500	65.42	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	114%	2%	
NAL13026-1707MSD	T1-030	ORG 120-82-1	1,2,4-Trichlorobenzene	5200		ug/L	500	27.63	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	104%	0%	
NAL13026-1707MSD	T1-030	ORG 91-20-3	Naphthalene	5000		ug/L	500	56.04	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	98%	0%	110
NAL13026-1707MSD	T1-030	ORG 87-61-6	1,2,3-Trichlorobenzene	5400		ug/L	500	23.28	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	5000	108%	0%	
NAL13026-1707MSD	T1-030	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	50	100%	0%	
NAL13026-1707MSD	T1-030	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	50	102%	4%	
NAL13026-1707MSD	T1-030	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	50	98%	0%	
NAL13026-1707MSD	T1-030	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/8/2014	10/8/2014	10/8/2014	WG	100	NA	5.0	NA	SW8260B	NALD4911	50	108%	2%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1708	T1-031	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 67-64-1	Acetone	39000	DX+	ug/L	10000	1556.07	10/9/2014	10/9/2014	10/9/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4917				
NAL13026-1708	T1-031	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 78-93-3	2-Butanone	5800		ug/L	1000	81.18	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 108-10-1	4-Methyl-2-pentanone		U	ug/L	500	74.00	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1708	T1-031	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	200	25.48	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	200	33.03	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 91-20-3	Naphthalene	84	J	ug/L	500	56.04	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916				
NAL13026-1708	T1-031	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916	50	100%		
NAL13026-1708	T1-031	STD 17060-07-0	1,2-Dichloroethane d4	53		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916	50	106%		
NAL13026-1708	T1-031	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916	50	104%		
NAL13026-1708	T1-031	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4916	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Table with 21 columns: Lab ID, Sample ID, CAS #, ANALYTES, Results, QC, Units, RDL, MDL, Sample Date, Prep. Date, Analysis Date, Matrix, Dil., Weight(g), Vol.(ml), % Solid, Method, Data file, Spike, % Rec, % RPD, Parent. Contains 45 rows of analytical data for various compounds like Dichlorodifluoromethane, Chloromethane, Vinyl chloride, etc.



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100914CCVA	D100914CCVA	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	88%		
D100914CCVA	D100914CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	110%		
D100914CCVA	D100914CCVA	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	110%		
D100914CCVA	D100914CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	102%		
D100914CCVA	D100914CCVA	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	106%		
D100914CCVA	D100914CCVA	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	100%		
D100914CCVA	D100914CCVA	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	106%		
D100914CCVA	D100914CCVA	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	94%		
D100914CCVA	D100914CCVA	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	102%		
D100914CCVA	D100914CCVA	ORG 104-51-8	n-Butylbenzene	57		ug/L	5	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	114%		
D100914CCVA	D100914CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	46		ug/L	5	1.59	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	92%		
D100914CCVA	D100914CCVA	ORG 87-68-3	Hexachlorobutadiene	55		ug/L	5	0.65	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	110%		
D100914CCVA	D100914CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	48		ug/L	5	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	96%		
D100914CCVA	D100914CCVA	ORG 91-20-3	Naphthalene	42		ug/L	5	0.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	84%		
D100914CCVA	D100914CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	100%		
D100914CCVA	D100914CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	98%		
D100914CCVA	D100914CCVA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	96%		
D100914CCVA	D100914CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	98%		
D100914CCVA	D100914CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4913	50	104%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100914MBKA	D100914MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100914MBKA	D100914MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915				
D100914MBKA	D100914MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915	50	98%		
D100914MBKA	D100914MBKA	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915	50	104%		
D100914MBKA	D100914MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915	50	102%		
D100914MBKA	D100914MBKA	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4915	50	108%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100914ALCS	D100914ALCS	ORG 75-71-8	Dichlorodifluoromethane	59		ug/L	5	0.29	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	118%		
D100914ALCS	D100914ALCS	ORG 74-87-3	Chloromethane	49		ug/L	5	0.43	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	98%		
D100914ALCS	D100914ALCS	ORG 75-01-4	Vinyl chloride	47		ug/L	2	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	94%		
D100914ALCS	D100914ALCS	ORG 74-83-9	Bromomethane	48		ug/L	5	0.50	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	96%		
D100914ALCS	D100914ALCS	ORG 75-00-3	Chloroethane	41		ug/L	5	0.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	82%		
D100914ALCS	D100914ALCS	ORG 75-69-4	Trichlorofluoromethane	64		ug/L	5	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	128%		
D100914ALCS	D100914ALCS	ORG 75-35-4	1,1-Dichloroethene	42		ug/L	1	0.47	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	84%		
D100914ALCS	D100914ALCS	ORG 75-09-2	Methylene chloride	33		ug/L	5	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	66%		
D100914ALCS	D100914ALCS	ORG 67-64-1	Acetone	68		ug/L	10	1.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	136%		
D100914ALCS	D100914ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	92%		
D100914ALCS	D100914ALCS	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	102%		
D100914ALCS	D100914ALCS	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	92%		
D100914ALCS	D100914ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	96%		
D100914ALCS	D100914ALCS	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	92%		
D100914ALCS	D100914ALCS	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	90%		
D100914ALCS	D100914ALCS	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	96%		
D100914ALCS	D100914ALCS	ORG 78-93-3	2-Butanone	52		ug/L	1	0.81	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	104%		
D100914ALCS	D100914ALCS	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	102%		
D100914ALCS	D100914ALCS	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	96%		
D100914ALCS	D100914ALCS	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	96%		
D100914ALCS	D100914ALCS	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	94%		
D100914ALCS	D100914ALCS	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	92%		
D100914ALCS	D100914ALCS	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	96%		
D100914ALCS	D100914ALCS	ORG 75-27-4	Bromodichloromethane	49		ug/L	2	0.12	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	98%		
D100914ALCS	D100914ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	106%		
D100914ALCS	D100914ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	90%		
D100914ALCS	D100914ALCS	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	108%		
D100914ALCS	D100914ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	112%		
D100914ALCS	D100914ALCS	ORG 127-18-4	Tetrachloroethene	43		ug/L	1	0.49	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	86%		
D100914ALCS	D100914ALCS	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	90%		
D100914ALCS	D100914ALCS	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	104%		
D100914ALCS	D100914ALCS	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	100%		
D100914ALCS	D100914ALCS	ORG 591-78-6	2-Hexanone	79		ug/L	2	0.69	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	158%		
D100914ALCS	D100914ALCS	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	106%		
D100914ALCS	D100914ALCS	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	92%		
D100914ALCS	D100914ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	100%		
D100914ALCS	D100914ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	100	110%		
D100914ALCS	D100914ALCS	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	112%		
D100914ALCS	D100914ALCS	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	98%		
D100914ALCS	D100914ALCS	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	108%		
D100914ALCS	D100914ALCS	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	104%		
D100914ALCS	D100914ALCS	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	110%		
D100914ALCS	D100914ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4914	50	96%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Table with 23 columns: Lab ID, Sample ID, CAS #, ANALYTES, Results, QC, Units, RDL, MDL, Sample Date, Prep. Date, Analysis Date, Matrix, Dil., Weight(g), Vol.(ml), % Solid, Method, Data file, Spike, % Rec, % RPD, Parent. It contains 24 rows of analytical data for various compounds like Trichloropropane, Butylbenzene, Dichlorobenzene, etc.



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100914ALCD	D100914ALCD	ORG 75-71-8	Dichlorodifluoromethane	61		ug/L	5	0.29	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	122%	3%	
D100914ALCD	D100914ALCD	ORG 74-87-3	Chloromethane	47		ug/L	5	0.43	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	94%	4%	
D100914ALCD	D100914ALCD	ORG 75-01-4	Vinyl chloride	47		ug/L	2	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	94%	0%	
D100914ALCD	D100914ALCD	ORG 74-83-9	Bromomethane	63		ug/L	5	0.50	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	126%	27%	
D100914ALCD	D100914ALCD	ORG 75-00-3	Chloroethane	49		ug/L	5	0.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	98%	18%	
D100914ALCD	D100914ALCD	ORG 75-69-4	Trichlorofluoromethane	120		ug/L	5	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	240%	61%	
D100914ALCD	D100914ALCD	ORG 75-35-4	1,1-Dichloroethene	48		ug/L	1	0.47	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	96%	13%	
D100914ALCD	D100914ALCD	ORG 75-09-2	Methylene chloride	35		ug/L	5	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	70%	6%	
D100914ALCD	D100914ALCD	ORG 67-64-1	Acetone	61		ug/L	10	1.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	122%	11%	
D100914ALCD	D100914ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	48		ug/L	1	0.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	96%	4%	
D100914ALCD	D100914ALCD	ORG 1634-04-4	MTBE	48		ug/L	5	0.61	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	96%	6%	
D100914ALCD	D100914ALCD	ORG 75-34-3	1,1-Dichloroethane	48		ug/L	1	0.53	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	96%	4%	
D100914ALCD	D100914ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	96%	0%	
D100914ALCD	D100914ALCD	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	92%	0%	
D100914ALCD	D100914ALCD	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	94%	4%	
D100914ALCD	D100914ALCD	ORG 71-55-6	1,1,1-Trichloroethane	52		ug/L	1	0.17	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	104%	8%	
D100914ALCD	D100914ALCD	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	100%	4%	
D100914ALCD	D100914ALCD	ORG 56-23-5	Carbon tetrachloride	55		ug/L	1	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	110%	8%	
D100914ALCD	D100914ALCD	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	98%	2%	
D100914ALCD	D100914ALCD	ORG 107-06-2	1,2-Dichloroethane	49		ug/L	1	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	98%	2%	
D100914ALCD	D100914ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	96%	2%	
D100914ALCD	D100914ALCD	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	94%	2%	
D100914ALCD	D100914ALCD	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	96%	0%	
D100914ALCD	D100914ALCD	ORG 75-27-4	Bromodichloromethane	49		ug/L	2	0.12	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	98%	0%	
D100914ALCD	D100914ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	104%	2%	
D100914ALCD	D100914ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	94%	4%	
D100914ALCD	D100914ALCD	ORG 108-10-1	4-Methyl-2-pentanone	51		ug/L	5	0.74	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	102%	6%	
D100914ALCD	D100914ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	112%	0%	
D100914ALCD	D100914ALCD	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	82%	5%	
D100914ALCD	D100914ALCD	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	88%	2%	
D100914ALCD	D100914ALCD	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	104%	0%	
D100914ALCD	D100914ALCD	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	96%	4%	
D100914ALCD	D100914ALCD	ORG 591-78-6	2-Hexanone	66		ug/L	2	0.69	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	132%	18%	
D100914ALCD	D100914ALCD	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	110%	4%	
D100914ALCD	D100914ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	98%	6%	
D100914ALCD	D100914ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	53		ug/L	2	0.19	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	106%	6%	
D100914ALCD	D100914ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	100	110%	0%	
D100914ALCD	D100914ALCD	ORG 95-47-6	o-Xylene	57		ug/L	1	0.13	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	114%	2%	
D100914ALCD	D100914ALCD	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	102%	4%	
D100914ALCD	D100914ALCD	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	104%	4%	
D100914ALCD	D100914ALCD	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	108%	4%	
D100914ALCD	D100914ALCD	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	114%	4%	
D100914ALCD	D100914ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	90%	6%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D100914ALCD	D100914ALCD	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	92%	2%	
D100914ALCD	D100914ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	57		ug/L	2	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	114%	4%	
D100914ALCD	D100914ALCD	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	110%	4%	
D100914ALCD	D100914ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	104%	4%	
D100914ALCD	D100914ALCD	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	108%	6%	
D100914ALCD	D100914ALCD	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	104%	4%	
D100914ALCD	D100914ALCD	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	106%	4%	
D100914ALCD	D100914ALCD	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	98%	4%	
D100914ALCD	D100914ALCD	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	102%	0%	
D100914ALCD	D100914ALCD	ORG 104-51-8	n-Butylbenzene	59		ug/L	5	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	118%	7%	
D100914ALCD	D100914ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	47		ug/L	5	1.59	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	94%	14%	
D100914ALCD	D100914ALCD	ORG 87-68-3	Hexachlorobutadiene	58		ug/L	5	0.65	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	116%	4%	
D100914ALCD	D100914ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	100%	0%	
D100914ALCD	D100914ALCD	ORG 91-20-3	Naphthalene	43		ug/L	5	0.56	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	86%	11%	
D100914ALCD	D100914ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	53		ug/L	5	0.23	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	106%	4%	
D100914ALCD	D100914ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	100%	0%	
D100914ALCD	D100914ALCD	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	100%	0%	
D100914ALCD	D100914ALCD	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	98%	2%	
D100914ALCD	D100914ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/9/2014	10/9/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4918	50	102%	2%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1708MS	T1-031	ORG 75-71-8	Dichlorodifluoromethane	6000		ug/L	500	29.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	120%		
NAL13026-1708MS	T1-031	ORG 74-87-3	Chloromethane	5000		ug/L	500	43.07	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	100%		
NAL13026-1708MS	T1-031	ORG 75-01-4	Vinyl chloride	4700		ug/L	200	31.86	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	94%		
NAL13026-1708MS	T1-031	ORG 74-83-9	Bromomethane	4700		ug/L	500	50.04	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	94%		
NAL13026-1708MS	T1-031	ORG 75-00-3	Chloroethane	4500		ug/L	500	55.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	90%		
NAL13026-1708MS	T1-031	ORG 75-69-4	Trichlorofluoromethane	6500		ug/L	500	19.65	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	130%		
NAL13026-1708MS	T1-031	ORG 75-35-4	1,1-Dichloroethene	4400		ug/L	100	47.11	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	88%		
NAL13026-1708MS	T1-031	ORG 75-09-2	Methylene chloride	4800		ug/L	500	26.46	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	96%		
NAL13026-1708MS	T1-031	ORG 67-64-1	Acetone	47000		ug/L	1000	155.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	160%		39000
NAL13026-1708MS	T1-031	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	92%		
NAL13026-1708MS	T1-031	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	98%		
NAL13026-1708MS	T1-031	ORG 75-34-3	1,1-Dichloroethane	4700		ug/L	100	52.66	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	94%		
NAL13026-1708MS	T1-031	ORG 156-59-2	cis-1,2-Dichloroethene	4800		ug/L	100	32.11	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	96%		
NAL13026-1708MS	T1-031	ORG 74-97-5	Bromochloromethane	4500		ug/L	1000	41.37	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	90%		
NAL13026-1708MS	T1-031	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	94%		
NAL13026-1708MS	T1-031	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	100%		
NAL13026-1708MS	T1-031	ORG 78-93-3	2-Butanone	12000		ug/L	100	81.18	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	124%		5800
NAL13026-1708MS	T1-031	ORG 56-23-5	Carbon tetrachloride	5300		ug/L	100	27.64	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	106%		
NAL13026-1708MS	T1-031	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	98%		
NAL13026-1708MS	T1-031	ORG 107-06-2	1,2-Dichloroethane	4800		ug/L	100	20.01	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	96%		
NAL13026-1708MS	T1-031	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	98%		
NAL13026-1708MS	T1-031	ORG 74-95-3	Dibromomethane	4700		ug/L	200	32.20	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	94%		
NAL13026-1708MS	T1-031	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	100%		
NAL13026-1708MS	T1-031	ORG 75-27-4	Bromodichloromethane	5000		ug/L	200	11.58	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	100%		
NAL13026-1708MS	T1-031	ORG 10061-01-5	cis-1,3-Dichloropropene	5200		ug/L	100	25.01	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	104%		
NAL13026-1708MS	T1-031	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	92%		
NAL13026-1708MS	T1-031	ORG 108-10-1	4-Methyl-2-pentanone	5300		ug/L	500	74.00	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	106%		
NAL13026-1708MS	T1-031	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	112%		
NAL13026-1708MS	T1-031	ORG 127-18-4	Tetrachloroethene	4200		ug/L	100	48.56	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	84%		
NAL13026-1708MS	T1-031	ORG 79-00-5	1,1,2-Trichloroethane	4400		ug/L	100	34.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	88%		
NAL13026-1708MS	T1-031	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	102%		
NAL13026-1708MS	T1-031	ORG 106-93-4	1,2-Dibromoethane	4900		ug/L	200	26.49	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	98%		
NAL13026-1708MS	T1-031	ORG 591-78-6	2-Hexanone	5800		ug/L	200	68.90	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	116%		
NAL13026-1708MS	T1-031	ORG 100-41-4	Ethylbenzene	5300		ug/L	100	25.38	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	106%		
NAL13026-1708MS	T1-031	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	96%		
NAL13026-1708MS	T1-031	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	102%		
NAL13026-1708MS	T1-031	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	10000	110%		
NAL13026-1708MS	T1-031	ORG 95-47-6	o-Xylene	5600		ug/L	100	12.90	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	112%		
NAL13026-1708MS	T1-031	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	102%		
NAL13026-1708MS	T1-031	ORG 75-25-2	Bromoform	5200		ug/L	200	46.83	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	104%		
NAL13026-1708MS	T1-031	ORG 98-82-8	Isopropylbenzene	5300		ug/L	200	20.48	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	106%		
NAL13026-1708MS	T1-031	ORG 103-65-1	n-Propylbenzene	5600		ug/L	200	27.00	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	112%		
NAL13026-1708MS	T1-031	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1708MS	T1-031	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	96%		
NAL13026-1708MS	T1-031	ORG 108-67-8	1,3,5-Trimethylbenzene	5700		ug/L	200	20.03	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	114%		
NAL13026-1708MS	T1-031	ORG 98-06-6	tert-Butylbenzene	5400		ug/L	200	32.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	108%		
NAL13026-1708MS	T1-031	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	104%		
NAL13026-1708MS	T1-031	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	106%		
NAL13026-1708MS	T1-031	ORG 541-73-1	1,3-Dichlorobenzene	5100		ug/L	200	22.21	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	102%		
NAL13026-1708MS	T1-031	ORG 99-87-6	p-Isopropyltoluene	5200		ug/L	200	25.48	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	104%		
NAL13026-1708MS	T1-031	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	98%		
NAL13026-1708MS	T1-031	ORG 95-50-1	1,2-Dichlorobenzene	5100		ug/L	200	26.38	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	102%		
NAL13026-1708MS	T1-031	ORG 104-51-8	n-Butylbenzene	5800		ug/L	500	27.81	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	116%		
NAL13026-1708MS	T1-031	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5500		ug/L	500	159.11	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	110%		
NAL13026-1708MS	T1-031	ORG 87-68-3	Hexachlorobutadiene	5900		ug/L	500	65.42	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	118%		
NAL13026-1708MS	T1-031	ORG 120-82-1	1,2,4-Trichlorobenzene	5300		ug/L	500	27.63	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	106%		
NAL13026-1708MS	T1-031	ORG 91-20-3	Naphthalene	5000		ug/L	500	56.04	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	98%		84
NAL13026-1708MS	T1-031	ORG 87-61-6	1,2,3-Trichlorobenzene	5400		ug/L	500	23.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	5000	108%		
NAL13026-1708MS	T1-031	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	50	102%		
NAL13026-1708MS	T1-031	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	50	100%		
NAL13026-1708MS	T1-031	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	50	98%		
NAL13026-1708MS	T1-031	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4919	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1708MSD	T1-031	ORG 75-71-8	Dichlorodifluoromethane	5900		ug/L	500	29.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	118%	2%	
NAL13026-1708MSD	T1-031	ORG 74-87-3	Chloromethane	5100		ug/L	500	43.07	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	102%	2%	
NAL13026-1708MSD	T1-031	ORG 75-01-4	Vinyl chloride	4700		ug/L	200	31.86	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	94%	0%	
NAL13026-1708MSD	T1-031	ORG 74-83-9	Bromomethane	4700		ug/L	500	50.04	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	94%	0%	
NAL13026-1708MSD	T1-031	ORG 75-00-3	Chloroethane	4400		ug/L	500	55.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	88%	2%	
NAL13026-1708MSD	T1-031	ORG 75-69-4	Trichlorofluoromethane	6900		ug/L	500	19.65	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	138%	6%	
NAL13026-1708MSD	T1-031	ORG 75-35-4	1,1-Dichloroethene	4500		ug/L	100	47.11	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	90%	2%	
NAL13026-1708MSD	T1-031	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	94%	2%	
NAL13026-1708MSD	T1-031	ORG 67-64-1	Acetone	50000		ug/L	1000	155.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	220%	6%	39000
NAL13026-1708MSD	T1-031	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	90%	2%	
NAL13026-1708MSD	T1-031	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	100%	2%	
NAL13026-1708MSD	T1-031	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	92%	2%	
NAL13026-1708MSD	T1-031	ORG 156-59-2	cis-1,2-Dichloroethene	5000		ug/L	100	32.11	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	100%	4%	
NAL13026-1708MSD	T1-031	ORG 74-97-5	Bromochloromethane	4500		ug/L	1000	41.37	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	90%	0%	
NAL13026-1708MSD	T1-031	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	94%	0%	
NAL13026-1708MSD	T1-031	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	98%	2%	
NAL13026-1708MSD	T1-031	ORG 78-93-3	2-Butanone	11000		ug/L	100	81.18	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	104%	9%	5800
NAL13026-1708MSD	T1-031	ORG 56-23-5	Carbon tetrachloride	5300		ug/L	100	27.64	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	106%	0%	
NAL13026-1708MSD	T1-031	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	98%	0%	
NAL13026-1708MSD	T1-031	ORG 107-06-2	1,2-Dichloroethane	4800		ug/L	100	20.01	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	96%	0%	
NAL13026-1708MSD	T1-031	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	98%	0%	
NAL13026-1708MSD	T1-031	ORG 74-95-3	Dibromomethane	4800		ug/L	200	32.20	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	96%	2%	
NAL13026-1708MSD	T1-031	ORG 78-87-5	1,2-Dichloropropane	5100		ug/L	100	18.17	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	102%	2%	
NAL13026-1708MSD	T1-031	ORG 75-27-4	Bromodichloromethane	5000		ug/L	200	11.58	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	100%	0%	
NAL13026-1708MSD	T1-031	ORG 10061-01-5	cis-1,3-Dichloropropene	5400		ug/L	100	25.01	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	108%	4%	
NAL13026-1708MSD	T1-031	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	94%	2%	
NAL13026-1708MSD	T1-031	ORG 108-10-1	4-Methyl-2-pentanone	5100		ug/L	500	74.00	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	102%	4%	
NAL13026-1708MSD	T1-031	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	110%	2%	
NAL13026-1708MSD	T1-031	ORG 127-18-4	Tetrachloroethene	4500		ug/L	100	48.56	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	90%	7%	
NAL13026-1708MSD	T1-031	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	92%	4%	
NAL13026-1708MSD	T1-031	ORG 124-48-1	Dibromochloromethane	5200		ug/L	500	29.90	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	104%	2%	
NAL13026-1708MSD	T1-031	ORG 106-93-4	1,2-Dibromoethane	5000		ug/L	200	26.49	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	100%	2%	
NAL13026-1708MSD	T1-031	ORG 591-78-6	2-Hexanone	5000		ug/L	200	68.90	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	100%	15%	
NAL13026-1708MSD	T1-031	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	110%	4%	
NAL13026-1708MSD	T1-031	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	96%	0%	
NAL13026-1708MSD	T1-031	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5200		ug/L	200	19.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	104%	2%	
NAL13026-1708MSD	T1-031	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	10000	110%	0%	
NAL13026-1708MSD	T1-031	ORG 95-47-6	o-Xylene	5800		ug/L	100	12.90	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	116%	4%	
NAL13026-1708MSD	T1-031	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	104%	2%	
NAL13026-1708MSD	T1-031	ORG 75-25-2	Bromoform	5200		ug/L	200	46.83	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	104%	0%	
NAL13026-1708MSD	T1-031	ORG 98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	110%	4%	
NAL13026-1708MSD	T1-031	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	114%	2%	
NAL13026-1708MSD	T1-031	ORG 79-34-5	1,1,2,2-Tetrachloroethane	5000		ug/L	200	29.16	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	100%	4%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1708MSD	T1-031	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	94%	2%	
NAL13026-1708MSD	T1-031	ORG 108-67-8	1,3,5-Trimethylbenzene	5700		ug/L	200	20.03	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	114%	0%	
NAL13026-1708MSD	T1-031	ORG 98-06-6	tert-Butylbenzene	5500		ug/L	200	32.61	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	110%	2%	
NAL13026-1708MSD	T1-031	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	104%	0%	
NAL13026-1708MSD	T1-031	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	108%	2%	
NAL13026-1708MSD	T1-031	ORG 541-73-1	1,3-Dichlorobenzene	5200		ug/L	200	22.21	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	104%	2%	
NAL13026-1708MSD	T1-031	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	106%	2%	
NAL13026-1708MSD	T1-031	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	98%	0%	
NAL13026-1708MSD	T1-031	ORG 95-50-1	1,2-Dichlorobenzene	5300		ug/L	200	26.38	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	106%	4%	
NAL13026-1708MSD	T1-031	ORG 104-51-8	n-Butylbenzene	5800		ug/L	500	27.81	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	116%	0%	
NAL13026-1708MSD	T1-031	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5700		ug/L	500	159.11	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	114%	4%	
NAL13026-1708MSD	T1-031	ORG 87-68-3	Hexachlorobutadiene	5900		ug/L	500	65.42	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	118%	0%	
NAL13026-1708MSD	T1-031	ORG 120-82-1	1,2,4-Trichlorobenzene	5300		ug/L	500	27.63	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	106%	0%	
NAL13026-1708MSD	T1-031	ORG 91-20-3	Naphthalene	5200		ug/L	500	56.04	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	102%	4%	84
NAL13026-1708MSD	T1-031	ORG 87-61-6	1,2,3-Trichlorobenzene	5600		ug/L	500	23.28	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	5000	112%	4%	
NAL13026-1708MSD	T1-031	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	50	100%	2%	
NAL13026-1708MSD	T1-031	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	50	100%	0%	
NAL13026-1708MSD	T1-031	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	50	98%	0%	
NAL13026-1708MSD	T1-031	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	10/9/2014	10/9/2014	10/9/2014	WG	100	NA	5.0	NA	SW8260B	NALD4920	50	110%	4%	



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/03/14 12:55
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4100680-01**
Sample Description: **TK-2**

Collect Date: **10/03/14 07:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.043 mg/L		10/06/14 12:38	WPS	200.7 04KS
Zinc	0.063 mg/L		10/06/14 12:38	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.96 mg/L		10/06/14 12:40	WPS	200.7 04KS
Zinc	7.0 mg/L		10/06/14 12:40	WPS	200.7 04KS

Sample No: **4100680-02**
Sample Description: **TK-3**

Collect Date: **10/03/14 07:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.029 mg/L		10/06/14 12:42	WPS	200.7 04KS
Zinc	0.065 mg/L		10/06/14 12:42	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.97 mg/L		10/06/14 12:44	WPS	200.7 04KS
Zinc	7.2 mg/L		10/06/14 12:44	WPS	200.7 04KS

Sample No: **4100680-03**
Sample Description: **TK-4**

Collect Date: **10/03/14 07:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.040 mg/L		10/06/14 12:46	WPS	200.7 04KS
Zinc	0.054 mg/L		10/06/14 12:46	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	1.0 mg/L		10/06/14 12:48	WPS	200.7 04KS
Zinc	7.3 mg/L		10/06/14 12:48	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/03/14 12:55
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4100680-04**
Sample Description: **Permeate**

Collect Date: **10/03/14 09:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Total Metals - STL</u>					
Arsenic	0.043 mg/L		10/06/14 12:50	WPS	200.7 04KS
Zinc	0.076 mg/L		10/06/14 12:50	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/03/14 12:55
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B416888 - 04 EPA 200.2 R2.8								
Blank (B416888-BLK1)			Prepared: 10/03/14 Analyzed: 10/06/14					
Arsenic	< 0.010	mg/L						
Zinc	< 0.020	mg/L						
LCS (B416888-BS1)			Prepared: 10/03/14 Analyzed: 10/06/14					
Arsenic	0.201	mg/L	0.2000		100	85-115		
Zinc	0.210	mg/L	0.2000		105	85-115		
Matrix Spike (B416888-MS1)			Source: 4100680-04		Prepared: 10/03/14 Analyzed: 10/06/14			
Arsenic	0.630	mg/L	0.5000	0.0426	118	70-130		
Zinc	0.626	mg/L	0.5000	0.0758	110	70-130		
Matrix Spike Dup (B416888-MSD1)			Source: 4100680-04		Prepared: 10/03/14 Analyzed: 10/06/14			
Arsenic	0.644	mg/L	0.5000	0.0426	120	70-130	2	20
Zinc	0.636	mg/L	0.5000	0.0758	112	70-130	1	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B416888 - 04 EPA 200.2 R2.8								
Blank (B416888-BLK1)			Prepared: 10/03/14 Analyzed: 10/06/14					
Arsenic	< 0.010	mg/L						
Zinc	< 0.020	mg/L						
LCS (B416888-BS1)			Prepared: 10/03/14 Analyzed: 10/06/14					
Arsenic	0.201	mg/L	0.2000		100	85-115		
Zinc	0.210	mg/L	0.2000		105	85-115		
Matrix Spike (B416888-MS1)			Source: 4100680-04		Prepared: 10/03/14 Analyzed: 10/06/14			
Arsenic	0.630	mg/L	0.5000	0.0426	118	70-130		
Zinc	0.626	mg/L	0.5000	0.0758	110	70-130		
Matrix Spike Dup (B416888-MSD1)			Source: 4100680-04		Prepared: 10/03/14 Analyzed: 10/06/14			
Arsenic	0.644	mg/L	0.5000	0.0426	120	70-130	2	20
Zinc	0.636	mg/L	0.5000	0.0758	112	70-130	1	20



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/03/14 12:55
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications; Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
TNI Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS Lab No. E-10389
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 171050
Drinking Water Certifications: Missouri (1050)
Missouri Department of Natural Resources

Certified by: Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
3278 N. Highway 67 (Lindbergh)
Florissant, MO 63033
 www.pdclab.com

CHAIN OF CUSTODY RECORD
 Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected _____

(Instructions/Sample Acceptance Policy on Reverse)

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT BLF		PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED		3 ANALYSIS REQUESTED				4 (FOR LAB USE ONLY) LOGIN # 4100680 LOGGED BY: _____ LAB PROJ. # _____ TEMPLATE: _____ PROJ. MGR.: _____	
ADDRESS		PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS		TOTAL ZINC	DISS. ZINC	TOTAL ARSENIC	DISS ARSENIC	REMARKS	
CITY STATE ZIP BRIDGETON, MO		SAMPLER R. JONES		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID LCHT-LEACHATE NAL-NONAQUEOUS SOIL-SOILS						REMARKS	
CONTACT PERSON M. KEEN		SAMPLER'S SIGNATURE <i>[Signature]</i>								REMARKS	
										REMARKS	
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	MATRIX COMP	Bottle Count					
TANK 2		10/3/14	7:45	X	WW	2	X	X	X	X	
TANK 3		10/3/14	7:45	X	WW	2	X	X	X	X	
TANK 4		10/3/14	7:45	X	WW	2	X	X	X	X	
PERMEATE		10/3/14	9:00	X	WW	1	X		X		
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) Fastrak™ (3 Bus. Days) 1-2 Bus. Days Same Day DATE DUE _____		The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature. _____									
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE		6									
7 RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE	TIME	RECEIVED BY:	DATE	TIME	8 COMMENTS:(FOR LAB USE ONLY)				
RELINQUISHED BY: (SIGNATURE)		10/3/14	1120	<i>[Signature]</i>	10/3/14	1120	SAMPLE TEMPERATURE UPON RECEIPT _____ °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N PROPER BOTTLES RECEIVED IN GOOD CONDITION Y OR N BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N SAMPLES RECEIVED WITHIN HOLD TIME(S) Y OR N (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____				
RELINQUISHED BY: (SIGNATURE)		10/3/14	1255	<i>[Signature]</i>	10/3/14	1255					
RELINQUISHED BY: (SIGNATURE)											
RELINQUISHED BY: (SIGNATURE)											



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/03/14 12:55
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4100681-01**
Sample Description: **0 mg/l - 8**

Collect Date: **10/03/14 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.69 mg/L		10/06/14 13:03	WPS	200.7 04KS
Zinc	3.9 mg/L		10/06/14 13:03	WPS	200.7 04KS

Sample No: **4100681-02**
Sample Description: **0.2 mg/l - 8**

Collect Date: **10/03/14 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.67 mg/L		10/06/14 13:05	WPS	200.7 04KS
Zinc	3.0 mg/L		10/06/14 13:05	WPS	200.7 04KS

Sample No: **4100681-03**
Sample Description: **0.1 mg/l - 8**

Collect Date: **10/03/14 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.61 mg/L		10/06/14 13:07	WPS	200.7 04KS
Zinc	3.3 mg/L		10/06/14 13:07	WPS	200.7 04KS

Sample No: **4100681-04**
Sample Description: **0.2 mg/l - 8.5**

Collect Date: **10/03/14 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.67 mg/L		10/06/14 13:09	WPS	200.7 04KS
Zinc	2.3 mg/L		10/06/14 13:09	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/03/14 12:55
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4100681-05**
Sample Description: **0 mg/l - 8.5**

Collect Date: **10/03/14 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.66 mg/L		10/06/14 13:11	WPS	200.7 04KS
Zinc	4.0 mg/L		10/06/14 13:11	WPS	200.7 04KS

Sample No: **4100681-06**
Sample Description: **0.1 mg/l - 8.5**

Collect Date: **10/03/14 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.66 mg/L		10/06/14 13:13	WPS	200.7 04KS
Zinc	2.4 mg/L		10/06/14 13:13	WPS	200.7 04KS

Sample No: **4100681-07**
Sample Description: **0.3 mg/l - 8**

Collect Date: **10/03/14 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.66 mg/L		10/06/14 13:15	WPS	200.7 04KS
Zinc	2.7 mg/L		10/06/14 13:15	WPS	200.7 04KS

Sample No: **4100681-08**
Sample Description: **TK-200**

Collect Date: **10/03/14 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Total Metals - STL</u>					
Arsenic	0.79 mg/L		10/06/14 13:17	WPS	200.7 04KS
Selenium	0.057 mg/L		10/06/14 13:17	WPS	200.7 04KS
Zinc	10 mg/L		10/06/14 13:17	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/03/14 12:55
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4100681-09**
Sample Description: **CLF-EFF**

Collect Date: **10/03/14 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.65 mg/L		10/06/14 13:19	WPS	200.7 04KS
Zinc	1.5 mg/L		10/06/14 13:19	WPS	200.7 04KS

Sample No: **4100681-10**
Sample Description: **0.3 mg/l - 8.5**

Collect Date: **10/03/14 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.67 mg/L		10/06/14 13:28	WPS	200.7 04KS
Zinc	2.0 mg/L		10/06/14 13:28	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/03/14 12:55
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B416888 - 04 EPA 200.2 R2.8								
Blank (B416888-BLK1)			Prepared: 10/03/14 Analyzed: 10/06/14					
Arsenic	< 0.010	mg/L						
Selenium	< 0.020	mg/L						
Zinc	< 0.020	mg/L						
LCS (B416888-BS1)			Prepared: 10/03/14 Analyzed: 10/06/14					
Arsenic	0.201	mg/L	0.2000		100	85-115		
Selenium	0.206	mg/L	0.2000		103	85-115		
Zinc	0.210	mg/L	0.2000		105	85-115		
Matrix Spike (B416888-MS1)			Source: 4100680-04		Prepared: 10/03/14 Analyzed: 10/06/14			
Arsenic	0.630	mg/L	0.5000	0.0426	118	70-130		
Selenium	0.577	mg/L	0.5000	ND	115	70-130		
Zinc	0.626	mg/L	0.5000	0.0758	110	70-130		
Matrix Spike Dup (B416888-MSD1)			Source: 4100680-04		Prepared: 10/03/14 Analyzed: 10/06/14			
Arsenic	0.644	mg/L	0.5000	0.0426	120	70-130	2	20
Selenium	0.603	mg/L	0.5000	ND	121	70-130	4	20
Zinc	0.636	mg/L	0.5000	0.0758	112	70-130	1	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B416888 - 04 EPA 200.2 R2.8								
Blank (B416888-BLK1)			Prepared: 10/03/14 Analyzed: 10/06/14					
Arsenic	< 0.010	mg/L						
Zinc	< 0.020	mg/L						
LCS (B416888-BS1)			Prepared: 10/03/14 Analyzed: 10/06/14					
Arsenic	0.201	mg/L	0.2000		100	85-115		
Zinc	0.210	mg/L	0.2000		105	85-115		
Matrix Spike (B416888-MS1)			Source: 4100680-04		Prepared: 10/03/14 Analyzed: 10/06/14			
Arsenic	0.630	mg/L	0.5000	0.0426	118	70-130		
Zinc	0.626	mg/L	0.5000	0.0758	110	70-130		
Matrix Spike Dup (B416888-MSD1)			Source: 4100680-04		Prepared: 10/03/14 Analyzed: 10/06/14			
Arsenic	0.644	mg/L	0.5000	0.0426	120	70-130	2	20
Zinc	0.636	mg/L	0.5000	0.0758	112	70-130	1	20



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/03/14 12:55
Report Date: 10/06/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications; Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
TNI Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS Lab No. E-10389
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 171050
Drinking Water Certifications: Missouri (1050)
Missouri Department of Natural Resources

Certified by: Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
3278 N. Highway 67 (Lindbergh)
Florissant, MO 63033

www.pdclab.com

CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488

Fax (314) 432-4977

State where samples collected _____

(Instructions/Sample Acceptance Policy on Reverse)

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT BLF ADDRESS CITY STATE ZIP BRIDGETON, MO CONTACT PERSON M. KEEN	PROJECT NUMBER	P. O. NUMBER	MEANS SHIPPED		3 ANALYSIS REQUESTED DISS. ZINC DISS. ARSENIC TOTAL ZINC TOTAL ARSENIC TOTAL SELENIUM	4 (FOR LAB USE ONLY) LOGIN # H100181 LOGGED BY: LAB PROJ. # TEMPLATE: PROJ. MGR.: AS REMARKS
	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS			
	SAMPLER R. Jones	MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID L'CHT-LEACHATE NAL-NONAQUEOUS SOIL-SOILS				
	SAMPLER'S SIGNATURE <i>R. Jones</i>					
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	MATRIX COMP TYPE	Bottle Count	
0 mg/L - 8					1	X X
0.2 mg/L - 8					1	X X
0.1 mg/L - 8					1	X X
0.2 mg/L - 8.5					1	X X
0 mg/L - 8.5					1	X X
0.1 mg/L - 8.5					1	X X
0.3 mg/L - 8					1	X X
TR-200					1	X X X
CLE-EFF					1	X X
0.3 mg/L - 8.5					1	X X
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) <i>Fastrak™</i> (3 Bus. Days) 1-2 Bus. Days Same Day DATE DUE _____			The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.			
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE			6			
7 RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY:	DATE	TIME	8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT _____ °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N PROPER BOTTLES RECEIVED IN GOOD CONDITION Y OR N BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N SAMPLES RECEIVED WITHIN HOLD TIME(S) Y OR N (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY:	DATE	TIME	
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY:	DATE	TIME	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME	

October 13, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

RE: Project: BRIDGETON LF T1-026
Pace Project No.: 60179586

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179586001	T1-026	Water	10/04/14 17:30	10/06/14 13:15
60179586002	TRIP BLANK	Water	10/04/14 17:30	10/06/14 13:15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60179586001	T1-026	EPA 200.7	TDS	15
		EPA 200.7	JGP	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60179586002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

Sample: T1-026	Lab ID: 60179586001	Collected: 10/04/14 17:30	Received: 10/06/14 13:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	6340 ug/L		375	1	10/07/14 13:30	10/08/14 09:50	7429-90-5	
Antimony	ND ug/L		50.0	1	10/07/14 13:30	10/08/14 09:50	7440-36-0	
Arsenic	437 ug/L		50.0	1	10/07/14 13:30	10/08/14 09:50	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/07/14 13:30	10/08/14 09:50	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/07/14 13:30	10/08/14 09:50	7440-43-9	
Chromium	144 ug/L		25.0	1	10/07/14 13:30	10/08/14 09:50	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/07/14 13:30	10/08/14 09:50	7440-48-4	
Copper	ND ug/L		50.0	1	10/07/14 13:30	10/08/14 09:50	7440-50-8	
Iron	434000 ug/L		250	1	10/07/14 13:30	10/08/14 09:50	7439-89-6	
Lead	76.0 ug/L		25.0	1	10/07/14 13:30	10/08/14 09:50	7439-92-1	
Nickel	73.6 ug/L		25.0	1	10/07/14 13:30	10/08/14 09:50	7440-02-0	
Selenium	ND ug/L		75.0	1	10/07/14 13:30	10/08/14 09:50	7782-49-2	
Silver	ND ug/L		35.0	1	10/07/14 13:30	10/08/14 09:50	7440-22-4	
Thallium	ND ug/L		100	1	10/07/14 13:30	10/08/14 09:50	7440-28-0	
Zinc	3860 ug/L		250	1	10/07/14 13:30	10/08/14 09:50	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/08/14 14:15	10/09/14 10:17	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/08/14 14:15	10/09/14 10:17	7440-36-0	
Arsenic, Dissolved	192 ug/L		50.0	1	10/08/14 14:15	10/09/14 10:17	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/08/14 14:15	10/09/14 10:17	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:17	7440-43-9	
Chromium, Dissolved	52.6 ug/L		25.0	1	10/08/14 14:15	10/09/14 10:17	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:17	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/08/14 14:15	10/09/14 10:17	7440-50-8	
Iron, Dissolved	38900 ug/L		250	1	10/08/14 14:15	10/09/14 10:17	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:17	7439-92-1	
Nickel, Dissolved	42.8 ug/L		25.0	1	10/08/14 14:15	10/09/14 10:17	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/08/14 14:15	10/09/14 10:17	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/08/14 14:15	10/09/14 10:17	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/08/14 14:15	10/09/14 10:17	7440-28-0	
Zinc, Dissolved	ND ug/L		250	1	10/08/14 14:15	10/09/14 10:17	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	6.5 ug/L		6.0	1	10/08/14 16:20	10/09/14 15:04	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/09/14 09:05	10/09/14 15:29	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/09/14 00:00	10/10/14 10:26	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:26	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:26	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:26	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/09/14 00:00	10/10/14 10:26	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2120 ug/L		2000	1	10/09/14 00:00	10/10/14 10:26		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

Sample: T1-026	Lab ID: 60179586001	Collected: 10/04/14 17:30	Received: 10/06/14 13:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:26	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:26	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:26	87-86-5	
Phenol	2820 ug/L		500	1	10/09/14 00:00	10/10/14 10:26	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:26	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:26	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	93 %		33-120	1	10/09/14 00:00	10/10/14 10:26	4165-60-0	
2-Fluorobiphenyl (S)	87 %		39-120	1	10/09/14 00:00	10/10/14 10:26	321-60-8	
Terphenyl-d14 (S)	91 %		45-120	1	10/09/14 00:00	10/10/14 10:26	1718-51-0	
Phenol-d6 (S)	31 %		11-120	1	10/09/14 00:00	10/10/14 10:26	13127-88-3	
2-Fluorophenol (S)	42 %		17-120	1	10/09/14 00:00	10/10/14 10:26	367-12-4	
2,4,6-Tribromophenol (S)	94 %		39-120	1	10/09/14 00:00	10/10/14 10:26	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	62100 ug/L		1000	100		10/09/14 19:00	67-64-1	N2
Benzene	ND ug/L		100	100		10/09/14 19:00	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/09/14 19:00	75-27-4	
Bromoform	ND ug/L		100	100		10/09/14 19:00	75-25-2	
Bromomethane	ND ug/L		500	100		10/09/14 19:00	74-83-9	
2-Butanone (MEK)	22000 ug/L		1000	100		10/09/14 19:00	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/09/14 19:00	56-23-5	
Chloroethane	ND ug/L		100	100		10/09/14 19:00	75-00-3	
Chloroform	ND ug/L		100	100		10/09/14 19:00	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/09/14 19:00	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/09/14 19:00	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/09/14 19:00	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/09/14 19:00	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/09/14 19:00	100-41-4	
Methylene chloride	ND ug/L		100	100		10/09/14 19:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/09/14 19:00	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/09/14 19:00	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/09/14 19:00	127-18-4	
Toluene	ND ug/L		100	100		10/09/14 19:00	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/09/14 19:00	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/09/14 19:00	79-00-5	
Trichloroethene	ND ug/L		100	100		10/09/14 19:00	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/09/14 19:00	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/09/14 19:00	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	101 %		80-120	100		10/09/14 19:00	460-00-4	
Toluene-d8 (S)	101 %		80-120	100		10/09/14 19:00	2037-26-5	
1,2-Dichloroethane-d4 (S)	103 %		80-120	100		10/09/14 19:00	17060-07-0	
Preservation pH	6.0		1.0	100		10/09/14 19:00		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	60.5 mg/L		5.0	1		10/08/14 16:03		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

Sample: T1-026		Lab ID: 60179586001	Collected: 10/04/14 17:30	Received: 10/06/14 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	6.4	mg/L	5.0	1		10/09/14 10:14		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	5720	mg/L	5.0	1		10/10/14 08:47		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.4	Std. Units	0.10	1		10/08/14 13:15		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	8490	mg/L	2.0	1	10/06/14 15:53	10/11/14 15:01		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	161	mg/L	10.0	100		10/13/14 12:43	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	19100	mg/L	2500	250		10/08/14 10:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

Sample: TRIP BLANK		Lab ID: 60179586002	Collected: 10/04/14 17:30	Received: 10/06/14 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/09/14 20:38	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/09/14 20:38	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/09/14 20:38	75-27-4	
Bromoform	ND ug/L		1.0	1		10/09/14 20:38	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/09/14 20:38	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/09/14 20:38	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/09/14 20:38	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/09/14 20:38	75-00-3	
Chloroform	ND ug/L		1.0	1		10/09/14 20:38	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/09/14 20:38	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/09/14 20:38	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 20:38	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 20:38	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/09/14 20:38	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/09/14 20:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/09/14 20:38	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/09/14 20:38	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/09/14 20:38	127-18-4	
Toluene	ND ug/L		1.0	1		10/09/14 20:38	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/09/14 20:38	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/09/14 20:38	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/09/14 20:38	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/09/14 20:38	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/09/14 20:38	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	101 %		80-120	1		10/09/14 20:38	460-00-4	
Toluene-d8 (S)	101 %		80-120	1		10/09/14 20:38	2037-26-5	
1,2-Dichloroethane-d4 (S)	102 %		80-120	1		10/09/14 20:38	17060-07-0	
Preservation pH	6.0		1.0	1		10/09/14 20:38		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch: MERP/8882

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60179586001

METHOD BLANK: 1455820

Matrix: Water

Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/09/14 13:08	

LABORATORY CONTROL SAMPLE: 1455821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.4	88	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455822 1455823

Parameter	Units	60179262001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Mercury	ug/L	ND	150	150	78.3	76.8	52	51	70-130	2	20	M1	

MATRIX SPIKE SAMPLE: 1455824

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L		6.2	150	144	92	70-130

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch: MERP/8884

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60179586001

METHOD BLANK: 1455996

Matrix: Water

Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/09/14 15:09	

LABORATORY CONTROL SAMPLE: 1455997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455998 1455999

Parameter	Units	60179262001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	97.2	86.7	65	58	70-130	11	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch: MPRP/29208

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60179586001

METHOD BLANK: 1455460

Matrix: Water

Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/08/14 09:30	
Antimony	ug/L	ND	10.0	10/08/14 09:30	
Arsenic	ug/L	ND	10.0	10/08/14 09:30	
Beryllium	ug/L	ND	1.0	10/08/14 09:30	
Cadmium	ug/L	ND	5.0	10/08/14 09:30	
Chromium	ug/L	ND	5.0	10/08/14 09:30	
Cobalt	ug/L	ND	5.0	10/08/14 09:30	
Copper	ug/L	ND	10.0	10/08/14 09:30	
Iron	ug/L	ND	50.0	10/08/14 09:30	
Lead	ug/L	ND	5.0	10/08/14 09:30	
Nickel	ug/L	ND	5.0	10/08/14 09:30	
Selenium	ug/L	ND	15.0	10/08/14 09:30	
Silver	ug/L	ND	7.0	10/08/14 09:30	
Thallium	ug/L	ND	20.0	10/08/14 09:30	
Zinc	ug/L	ND	50.0	10/08/14 09:30	

LABORATORY CONTROL SAMPLE: 1455461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9610	96	85-115	
Antimony	ug/L	1000	985	99	85-115	
Arsenic	ug/L	1000	952	95	85-115	
Beryllium	ug/L	1000	955	95	85-115	
Cadmium	ug/L	1000	970	97	85-115	
Chromium	ug/L	1000	947	95	85-115	
Cobalt	ug/L	1000	991	99	85-115	
Copper	ug/L	1000	958	96	85-115	
Iron	ug/L	10000	9670	97	85-115	
Lead	ug/L	1000	972	97	85-115	
Nickel	ug/L	1000	991	99	85-115	
Selenium	ug/L	1000	946	95	85-115	
Silver	ug/L	500	473	95	85-115	
Thallium	ug/L	1000	964	96	85-115	
Zinc	ug/L	1000	958	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455462												1455463	
Parameter	Units	60178356001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Aluminum	ug/L	157	10000	10000	10000	9950	99	98	70-130	1	8		
Antimony	ug/L	ND	1000	1000	1010	993	101	99	70-130	1	7		
Arsenic	ug/L	49.0	1000	1000	1070	1060	102	101	70-130	1	10		
Beryllium	ug/L	ND	1000	1000	973	962	97	96	70-130	1	7		
Cadmium	ug/L	ND	1000	1000	1010	998	101	100	70-130	1	10		
Chromium	ug/L	ND	1000	1000	948	941	94	94	70-130	1	10		
Cobalt	ug/L	ND	1000	1000	969	959	97	96	70-130	1	6		
Copper	ug/L	53.0	1000	1000	1070	1060	102	100	70-130	1	11		
Iron	ug/L	4100	10000	10000	13400	13300	93	92	70-130	1	10		
Lead	ug/L	148	1000	1000	1080	1080	94	93	70-130	1	10		
Nickel	ug/L	34.5	1000	1000	988	978	95	94	70-130	1	10		
Selenium	ug/L	659	1000	1000	1620	1610	96	95	70-130	0	10		
Silver	ug/L	ND	500	500	504	497	100	99	70-130	1	10		
Thallium	ug/L	ND	1000	1000	840	825	84	82	70-130	2	6		
Zinc	ug/L	108	1000	1000	1020	1020	91	91	70-130	0	11		

MATRIX SPIKE SAMPLE: 1455464		60179393001	Spike	MS	MS	% Rec		
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
Aluminum	ug/L		1150	10000	11100	99	70-130	
Antimony	ug/L		ND	1000	990	99	70-130	
Arsenic	ug/L		ND	1000	946	95	70-130	
Beryllium	ug/L		0.42J	1000	953	95	70-130	
Cadmium	ug/L		0.66J	1000	972	97	70-130	
Chromium	ug/L		6.8	1000	941	93	70-130	
Cobalt	ug/L		2.2J	1000	985	98	70-130	
Copper	ug/L		23.2	1000	988	96	70-130	
Iron	ug/L		4670	10000	13900	92	70-130	
Lead	ug/L		14.0	1000	976	96	70-130	
Nickel	ug/L		8.4	1000	988	98	70-130	
Selenium	ug/L		ND	1000	954	95	70-130	
Silver	ug/L		ND	500	473	94	70-130	
Thallium	ug/L		3.9J	1000	954	95	70-130	
Zinc	ug/L		330	1000	1230	90	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch: MPRP/29228

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60179586001

METHOD BLANK: 1455953

Matrix: Water

Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/09/14 09:56	
Antimony, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Arsenic, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Beryllium, Dissolved	ug/L	ND	1.0	10/09/14 09:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Chromium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Cobalt, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Copper, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Iron, Dissolved	ug/L	ND	50.0	10/09/14 09:56	
Lead, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Nickel, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Selenium, Dissolved	ug/L	ND	15.0	10/09/14 09:56	
Silver, Dissolved	ug/L	ND	7.0	10/09/14 09:56	
Thallium, Dissolved	ug/L	ND	20.0	10/09/14 09:56	
Zinc, Dissolved	ug/L	ND	50.0	10/09/14 09:56	

LABORATORY CONTROL SAMPLE: 1455954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10500	105	85-115	
Antimony, Dissolved	ug/L	1000	1030	103	85-115	
Arsenic, Dissolved	ug/L	1000	998	100	85-115	
Beryllium, Dissolved	ug/L	1000	1040	104	85-115	
Cadmium, Dissolved	ug/L	1000	1010	101	85-115	
Chromium, Dissolved	ug/L	1000	1030	103	85-115	
Cobalt, Dissolved	ug/L	1000	975	98	85-115	
Copper, Dissolved	ug/L	1000	1030	103	85-115	
Iron, Dissolved	ug/L	10000	9900	99	85-115	
Lead, Dissolved	ug/L	1000	976	98	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	959	96	85-115	
Silver, Dissolved	ug/L	500	480	96	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	970	97	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

Parameter	Units	1455955		1455956		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		60179403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Aluminum, Dissolved	ug/L	ND	50000	50000	52800	52200	105	104	70-130	1	8
Antimony, Dissolved	ug/L	ND	5000	5000	5300	5240	106	105	70-130	1	7
Arsenic, Dissolved	ug/L	205	5000	5000	5470	5310	105	102	70-130	3	10
Beryllium, Dissolved	ug/L	ND	5000	5000	5140	5120	103	102	70-130	0	7
Cadmium, Dissolved	ug/L	ND	5000	5000	5160	5100	103	102	70-130	1	10
Chromium, Dissolved	ug/L	51.7	5000	5000	5120	5060	101	100	70-130	1	10
Cobalt, Dissolved	ug/L	ND	5000	5000	4660	4660	93	93	70-130	0	6
Copper, Dissolved	ug/L	ND	5000	5000	5260	5210	105	104	70-130	1	11
Iron, Dissolved	ug/L	40500	50000	50000	96400	79300	112	78	70-130	19	10 R1
Lead, Dissolved	ug/L	ND	5000	5000	4610	4630	92	92	70-130	0	10
Nickel, Dissolved	ug/L	37.4	5000	5000	4930	4920	98	98	70-130	0	10
Selenium, Dissolved	ug/L	ND	5000	5000	5140	5040	103	101	70-130	2	10
Silver, Dissolved	ug/L	ND	2500	2500	2490	2440	99	98	70-130	2	10
Thallium, Dissolved	ug/L	ND	5000	5000	4720	4800	94	96	70-130	2	6
Zinc, Dissolved	ug/L	293	5000	5000	5000	4880	94	92	70-130	2	11

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch: MSV/64947 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60179586001, 60179586002

METHOD BLANK: 1456627 Matrix: Water

Associated Lab Samples: 60179586001, 60179586002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/09/14 17:06	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,2-Dichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/09/14 17:06	
2-Butanone (MEK)	ug/L	ND	10.0	10/09/14 17:06	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/09/14 17:06	N2
Acetone	ug/L	ND	10.0	10/09/14 17:06	N2
Benzene	ug/L	ND	1.0	10/09/14 17:06	
Bromodichloromethane	ug/L	ND	1.0	10/09/14 17:06	
Bromoform	ug/L	ND	1.0	10/09/14 17:06	
Bromomethane	ug/L	ND	5.0	10/09/14 17:06	
Carbon tetrachloride	ug/L	ND	1.0	10/09/14 17:06	
Chloroethane	ug/L	ND	1.0	10/09/14 17:06	
Chloroform	ug/L	ND	1.0	10/09/14 17:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	N2
Ethylbenzene	ug/L	ND	1.0	10/09/14 17:06	
Methylene chloride	ug/L	ND	1.0	10/09/14 17:06	
Tetrachloroethene	ug/L	ND	1.0	10/09/14 17:06	
Toluene	ug/L	ND	1.0	10/09/14 17:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Trichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Vinyl chloride	ug/L	ND	1.0	10/09/14 17:06	
Xylene (Total)	ug/L	ND	3.0	10/09/14 17:06	N2
1,2-Dichloroethane-d4 (S)	%	102	80-120	10/09/14 17:06	
4-Bromofluorobenzene (S)	%	106	80-120	10/09/14 17:06	
Toluene-d8 (S)	%	98	80-120	10/09/14 17:06	

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	98	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.6	103	67-124	
1,2-Dichloroethane	ug/L	20	20.8	104	70-126	
1,4-Dichlorobenzene	ug/L	20	19.7	98	74-120	
2-Butanone (MEK)	ug/L	100	99.9	100	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	59-131	N2
Acetone	ug/L	100	103	103	38-134	N2
Benzene	ug/L	20	19.8	99	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.4	102	68-125	
Bromoform	ug/L	20	21.5	108	65-127	
Bromomethane	ug/L	20	26.0	130	13-157	
Carbon tetrachloride	ug/L	20	19.6	98	70-131	
Chloroethane	ug/L	20	22.1	110	47-133	
Chloroform	ug/L	20	19.5	98	65-127	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	68-127	N2
Ethylbenzene	ug/L	20	20.1	101	74-122	
Methylene chloride	ug/L	20	19.1	96	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	19.5	97	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	66-129	
Trichloroethene	ug/L	20	19.2	96	71-123	
Vinyl chloride	ug/L	20	24.3	121	43-129	
Xylene (Total)	ug/L	60	62.5	104	75-121	N2
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE SAMPLE: 1456629

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	4000	5230	131	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	4000	5290	132	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	4000	5140	129	52-143	
1,2-Dichloroethane	ug/L	ND	4000	4860	121	49-144	
1,4-Dichlorobenzene	ug/L	ND	4000	4990	123	33-140	
2-Butanone (MEK)	ug/L	15400	20000	35800	102	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20000	22600	112	40-160	N2
Acetone	ug/L	44300	20000	59100	74	10-160	N2
Benzene	ug/L	ND	4000	5130	126	37-151	
Bromodichloromethane	ug/L	ND	4000	5000	125	35-142	
Bromoform	ug/L	ND	4000	5310	133	45-142	
Bromomethane	ug/L	ND	4000	5780	145	10-158	
Carbon tetrachloride	ug/L	ND	4000	5530	138	70-140	
Chloroethane	ug/L	ND	4000	5070	127	19-152	
Chloroform	ug/L	ND	4000	4790	120	51-138	
cis-1,2-Dichloroethene	ug/L	ND	4000	4810	120	34-147	N2
Ethylbenzene	ug/L	ND	4000	5280	132	40-142	
Methylene chloride	ug/L	ND	4000	4710	116	31-144	
Tetrachloroethene	ug/L	ND	4000	5500	138	64-148	
Toluene	ug/L	ND	4000	5060	123	47-150	
trans-1,2-Dichloroethene	ug/L	ND	4000	5120	128	54-151	
Trichloroethene	ug/L	ND	4000	4980	124	71-149	
Vinyl chloride	ug/L	ND	4000	5660	142	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

MATRIX SPIKE SAMPLE:		1456629					
Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	12000	15800	132	37-144	N2
1,2-Dichloroethane-d4 (S)	%				94	80-120	
4-Bromofluorobenzene (S)	%				102	80-120	
Toluene-d8 (S)	%				97	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026
Pace Project No.: 60179586

QC Batch: OEXT/46555 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 60179586001

METHOD BLANK: 1456362 Matrix: Water
Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/10/14 09:24	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/10/14 09:24	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/10/14 09:24	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/10/14 09:24	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/10/14 09:24	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/10/14 09:24	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/10/14 09:24	
Hexachloroethane	ug/L	ND	5.0	10/10/14 09:24	
Naphthalene	ug/L	ND	5.0	10/10/14 09:24	
Nitrobenzene	ug/L	ND	5.0	10/10/14 09:24	
Pentachlorophenol	ug/L	ND	5.0	10/10/14 09:24	
Phenol	ug/L	ND	5.0	10/10/14 09:24	
2,4,6-Tribromophenol (S)	%	81	39-120	10/10/14 09:24	
2-Fluorobiphenyl (S)	%	81	39-120	10/10/14 09:24	
2-Fluorophenol (S)	%	42	17-120	10/10/14 09:24	
Nitrobenzene-d5 (S)	%	78	33-120	10/10/14 09:24	
Phenol-d6 (S)	%	27	11-120	10/10/14 09:24	
Terphenyl-d14 (S)	%	86	45-120	10/10/14 09:24	

LABORATORY CONTROL SAMPLE: 1456363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	46-120	
2,4,6-Trichlorophenol	ug/L	50	47.9	96	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	37.3	75	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.5	65	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	52.6	105	40-133	
Hexachloro-1,3-butadiene	ug/L	50	42.8	86	44-116	
Hexachlorocyclopentadiene	ug/L	100	44.7	45	24-120	
Hexachloroethane	ug/L	50	42.5	85	43-113	
Naphthalene	ug/L	50	45.0	90	48-120	
Nitrobenzene	ug/L	50	46.7	93	48-120	
Pentachlorophenol	ug/L	50	51.6	103	47-120	
Phenol	ug/L	50	16.6	33	16-112	
2,4,6-Tribromophenol (S)	%			97	39-120	
2-Fluorobiphenyl (S)	%			94	39-120	
2-Fluorophenol (S)	%			48	17-120	
Nitrobenzene-d5 (S)	%			95	33-120	
Phenol-d6 (S)	%			31	11-120	
Terphenyl-d14 (S)	%			100	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

MATRIX SPIKE SAMPLE:	1456364	60179421001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	39.8	80	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	44.1	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.8	64	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	28.7	57	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	47.6	95	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	39.7	79	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	42.7	43	11-120	
Hexachloroethane	ug/L	ND	50	40.0	80	40-113	
Naphthalene	ug/L	ND	50	41.4	83	45-120	
Nitrobenzene	ug/L	ND	50	42.2	84	38-120	
Pentachlorophenol	ug/L	ND	50	47.0	94	43-135	
Phenol	ug/L	ND	50	14.1	28	13-112	
2,4,6-Tribromophenol (S)	%				89	39-120	
2-Fluorobiphenyl (S)	%				87	39-120	
2-Fluorophenol (S)	%				40	17-120	
Nitrobenzene-d5 (S)	%				85	33-120	
Phenol-d6 (S)	%				27	11-120	
Terphenyl-d14 (S)	%				90	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch: WET/50754

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60179586001

METHOD BLANK: 1456024

Matrix: Water

Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/08/14 16:02	

LABORATORY CONTROL SAMPLE: 1456025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	41.3	103	78-114	

MATRIX SPIKE SAMPLE: 1456026

Parameter	Units	60179137001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	46.5	42.4	86	78-114	

SAMPLE DUPLICATE: 1456027

Parameter	Units	60179364001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	.94J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch: WET/50755

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 SGT-HEM, TPH

Associated Lab Samples: 60179586001

METHOD BLANK: 1456032

Matrix: Water

Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/09/14 10:14	

LABORATORY CONTROL SAMPLE: 1456033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	20.5	102	64-132	

MATRIX SPIKE SAMPLE: 1456034

Parameter	Units	60179337001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	17.7	79	64-132	

SAMPLE DUPLICATE: 1456035

Parameter	Units	60179364001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.8J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch:	WET/50807	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60179586001		

METHOD BLANK: 1457224 Matrix: Water

Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/10/14 08:44	

SAMPLE DUPLICATE: 1457225

Parameter	Units	60179526005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	34.0	34.0	0	10	

SAMPLE DUPLICATE: 1457226

Parameter	Units	60179587001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	7460	7580	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch: WET/50756 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60179586001

SAMPLE DUPLICATE: 1456046

Parameter	Units	60179118001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.1	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch: WET/50709

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60179586001

METHOD BLANK: 1455024

Matrix: Water

Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/11/14 14:54	

LABORATORY CONTROL SAMPLE: 1455025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	204	103	85-115	

SAMPLE DUPLICATE: 1455026

Parameter	Units	60179586001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	8490	8250	3	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch:	WETA/31313	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60179586001		

METHOD BLANK: 1458950 Matrix: Water
Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/13/14 12:40	

LABORATORY CONTROL SAMPLE: 1458951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 1458952

Parameter	Units	60179847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.3	2	5.8	74	90-110	M1

SAMPLE DUPLICATE: 1458953

Parameter	Units	60178889001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.042J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

QC Batch:	WETA/31253	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60179586001		

METHOD BLANK: 1455190 Matrix: Water
Associated Lab Samples: 60179586001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/08/14 10:20	

LABORATORY CONTROL SAMPLE: 1455191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	47.0	94	90-110	

MATRIX SPIKE SAMPLE: 1455192

Parameter	Units	60178781001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	172	250	420	99	90-110	

MATRIX SPIKE SAMPLE: 1455194

Parameter	Units	60179052004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	3330	2500	5640	92	90-110	

SAMPLE DUPLICATE: 1455193

Parameter	Units	60179108001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	84.8	88.3	4	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-026

Pace Project No.: 60179586

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179586001	T1-026	EPA 200.7	MPRP/29208	EPA 200.7	ICP/21975
60179586001	T1-026	EPA 200.7	MPRP/29228	EPA 200.7	ICP/21984
60179586001	T1-026	EPA 245.1	MERP/8882	EPA 245.1	MERC/8838
60179586001	T1-026	EPA 245.1	MERP/8884	EPA 245.1	MERC/8839
60179586001	T1-026	EPA 625	OEXT/46555	EPA 625	MSSV/14962
60179586001	T1-026	EPA 624 Low	MSV/64947		
60179586002	TRIP BLANK	EPA 624 Low	MSV/64947		
60179586001	T1-026	EPA 1664A	WET/50754		
60179586001	T1-026	EPA 1664A	WET/50755		
60179586001	T1-026	SM 2540D	WET/50807		
60179586001	T1-026	SM 4500-H+B	WET/50756		
60179586001	T1-026	SM 5210B	WET/50709	SM 5210B	WET/50840
60179586001	T1-026	EPA 350.1	WETA/31313		
60179586001	T1-026	EPA 410.4	WETA/31253		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

NO#: 60179586



NO: 79586



Sample Condition Upon Receipt

Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other Kruel's

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun. (circle one)

Cooler Temperature: 1.6 - 2.8 C w/ 6/14

Date and initials of person examining contents: _____

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>PH BOD</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>W</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>BP35 initial pH 6.0 added 1.0 mL H₂SO₄ Anal pH = 2.0</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>BP3N initial pH 6.0 added 2.5 mL HNO₃ Anal pH 3.0</u>
Exceptions: VOA, coliform, TOC, <u>O&G</u> WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>W</u> Lot # of added preservative <u>12513-37-10 12787-19-8</u>
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): <u>covered</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

October 13, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

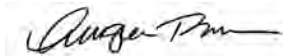
RE: Project: BRIDGETON LF T1-027
Pace Project No.: 60179587

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179587001	T1-027	Water	10/05/14 13:37	10/06/14 13:15
60179587002	TRIP BLANK	Water	10/05/14 13:37	10/06/14 13:15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60179587001	T1-027	EPA 200.7	TDS	15
		EPA 200.7	JGP	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60179587002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

Sample: T1-027		Lab ID: 60179587001	Collected: 10/05/14 13:37	Received: 10/06/14 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	4860 ug/L		375	1	10/07/14 13:30	10/08/14 09:57	7429-90-5	
Antimony	ND ug/L		50.0	1	10/07/14 13:30	10/08/14 09:57	7440-36-0	
Arsenic	467 ug/L		50.0	1	10/07/14 13:30	10/08/14 09:57	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/07/14 13:30	10/08/14 09:57	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/07/14 13:30	10/08/14 09:57	7440-43-9	
Chromium	148 ug/L		25.0	1	10/07/14 13:30	10/08/14 09:57	7440-47-3	
Cobalt	25.2 ug/L		25.0	1	10/07/14 13:30	10/08/14 09:57	7440-48-4	
Copper	ND ug/L		50.0	1	10/07/14 13:30	10/08/14 09:57	7440-50-8	
Iron	422000 ug/L		250	1	10/07/14 13:30	10/08/14 09:57	7439-89-6	
Lead	67.4 ug/L		25.0	1	10/07/14 13:30	10/08/14 09:57	7439-92-1	
Nickel	82.8 ug/L		25.0	1	10/07/14 13:30	10/08/14 09:57	7440-02-0	
Selenium	ND ug/L		75.0	1	10/07/14 13:30	10/08/14 09:57	7782-49-2	
Silver	ND ug/L		35.0	1	10/07/14 13:30	10/08/14 09:57	7440-22-4	
Thallium	ND ug/L		100	1	10/07/14 13:30	10/08/14 09:57	7440-28-0	
Zinc	4430 ug/L		250	1	10/07/14 13:30	10/08/14 09:57	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/08/14 14:15	10/09/14 10:20	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/08/14 14:15	10/09/14 10:20	7440-36-0	
Arsenic, Dissolved	223 ug/L		50.0	1	10/08/14 14:15	10/09/14 10:20	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/08/14 14:15	10/09/14 10:20	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:20	7440-43-9	
Chromium, Dissolved	60.4 ug/L		25.0	1	10/08/14 14:15	10/09/14 10:20	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:20	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/08/14 14:15	10/09/14 10:20	7440-50-8	
Iron, Dissolved	58400 ug/L		250	1	10/08/14 14:15	10/09/14 10:20	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/08/14 14:15	10/09/14 10:20	7439-92-1	
Nickel, Dissolved	46.1 ug/L		25.0	1	10/08/14 14:15	10/09/14 10:20	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/08/14 14:15	10/09/14 10:20	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/08/14 14:15	10/09/14 10:20	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/08/14 14:15	10/09/14 10:20	7440-28-0	
Zinc, Dissolved	357 ug/L		250	1	10/08/14 14:15	10/09/14 10:20	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	10/08/14 16:20	10/09/14 15:07	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/09/14 09:05	10/09/14 15:31	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/09/14 00:00	10/10/14 10:47	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:47	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:47	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:47	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/09/14 00:00	10/10/14 10:47	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2440 ug/L		2000	1	10/09/14 00:00	10/10/14 10:47		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

Sample: T1-027		Lab ID: 60179587001	Collected: 10/05/14 13:37	Received: 10/06/14 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:47	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:47	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:47	87-86-5	
Phenol	3320 ug/L		500	1	10/09/14 00:00	10/10/14 10:47	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:47	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/09/14 00:00	10/10/14 10:47	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	95 %		33-120	1	10/09/14 00:00	10/10/14 10:47	4165-60-0	
2-Fluorobiphenyl (S)	86 %		39-120	1	10/09/14 00:00	10/10/14 10:47	321-60-8	
Terphenyl-d14 (S)	88 %		45-120	1	10/09/14 00:00	10/10/14 10:47	1718-51-0	
Phenol-d6 (S)	29 %		11-120	1	10/09/14 00:00	10/10/14 10:47	13127-88-3	
2-Fluorophenol (S)	44 %		17-120	1	10/09/14 00:00	10/10/14 10:47	367-12-4	
2,4,6-Tribromophenol (S)	90 %		39-120	1	10/09/14 00:00	10/10/14 10:47	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	77800 ug/L		1000	100		10/09/14 19:14	67-64-1	N2
Benzene	ND ug/L		100	100		10/09/14 19:14	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/09/14 19:14	75-27-4	
Bromoform	ND ug/L		100	100		10/09/14 19:14	75-25-2	
Bromomethane	ND ug/L		500	100		10/09/14 19:14	74-83-9	
2-Butanone (MEK)	26600 ug/L		1000	100		10/09/14 19:14	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/09/14 19:14	56-23-5	
Chloroethane	ND ug/L		100	100		10/09/14 19:14	75-00-3	
Chloroform	ND ug/L		100	100		10/09/14 19:14	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/09/14 19:14	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/09/14 19:14	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/09/14 19:14	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/09/14 19:14	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/09/14 19:14	100-41-4	
Methylene chloride	ND ug/L		100	100		10/09/14 19:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/09/14 19:14	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/09/14 19:14	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/09/14 19:14	127-18-4	
Toluene	ND ug/L		100	100		10/09/14 19:14	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/09/14 19:14	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/09/14 19:14	79-00-5	
Trichloroethene	ND ug/L		100	100		10/09/14 19:14	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/09/14 19:14	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/09/14 19:14	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	100 %		80-120	100		10/09/14 19:14	460-00-4	HS
Toluene-d8 (S)	100 %		80-120	100		10/09/14 19:14	2037-26-5	
1,2-Dichloroethane-d4 (S)	102 %		80-120	100		10/09/14 19:14	17060-07-0	
Preservation pH	6.0		1.0	100		10/09/14 19:14		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	103 mg/L		5.0	1		10/08/14 16:03		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

Sample: T1-027		Lab ID: 60179587001	Collected: 10/05/14 13:37	Received: 10/06/14 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	6.8	mg/L	5.0	1		10/09/14 10:14		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	7460	mg/L	5.0	1		10/10/14 08:47		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.2	Std. Units	0.10	1		10/08/14 13:15		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	11800	mg/L	2.0	1	10/06/14 16:01	10/11/14 15:12		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	171	mg/L	10.0	100		10/13/14 12:44	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	20300	mg/L	2500	250		10/08/14 10:31		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

Sample: TRIP BLANK		Lab ID: 60179587002	Collected: 10/05/14 13:37	Received: 10/06/14 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/09/14 20:53	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/09/14 20:53	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/09/14 20:53	75-27-4	
Bromoform	ND ug/L		1.0	1		10/09/14 20:53	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/09/14 20:53	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/09/14 20:53	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/09/14 20:53	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/09/14 20:53	75-00-3	
Chloroform	ND ug/L		1.0	1		10/09/14 20:53	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/09/14 20:53	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/09/14 20:53	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 20:53	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 20:53	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/09/14 20:53	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/09/14 20:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/09/14 20:53	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/09/14 20:53	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/09/14 20:53	127-18-4	
Toluene	ND ug/L		1.0	1		10/09/14 20:53	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/09/14 20:53	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/09/14 20:53	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/09/14 20:53	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/09/14 20:53	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/09/14 20:53	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	99 %		80-120	1		10/09/14 20:53	460-00-4	
Toluene-d8 (S)	100 %		80-120	1		10/09/14 20:53	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	1		10/09/14 20:53	17060-07-0	
Preservation pH	6.0		1.0	1		10/09/14 20:53		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch:	MERP/8882	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
Associated Lab Samples:	60179587001		

METHOD BLANK: 1455820 Matrix: Water
Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/09/14 13:08	

LABORATORY CONTROL SAMPLE: 1455821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.4	88	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455822 1455823

Parameter	Units	60179262001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	150	150	78.3	76.8	52	51	70-130	2	20	M1

MATRIX SPIKE SAMPLE: 1455824

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L		6.2	150	144	92	70-130

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch:	MERP/8884	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60179587001		

METHOD BLANK: 1455996 Matrix: Water
Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/09/14 15:09	

LABORATORY CONTROL SAMPLE: 1455997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455998 1455999

Parameter	Units	60179262001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	97.2	86.7	65	58	70-130	11	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027
Pace Project No.: 60179587

QC Batch: MPRP/29208 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 60179587001

METHOD BLANK: 1455460 Matrix: Water
Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/08/14 09:30	
Antimony	ug/L	ND	10.0	10/08/14 09:30	
Arsenic	ug/L	ND	10.0	10/08/14 09:30	
Beryllium	ug/L	ND	1.0	10/08/14 09:30	
Cadmium	ug/L	ND	5.0	10/08/14 09:30	
Chromium	ug/L	ND	5.0	10/08/14 09:30	
Cobalt	ug/L	ND	5.0	10/08/14 09:30	
Copper	ug/L	ND	10.0	10/08/14 09:30	
Iron	ug/L	ND	50.0	10/08/14 09:30	
Lead	ug/L	ND	5.0	10/08/14 09:30	
Nickel	ug/L	ND	5.0	10/08/14 09:30	
Selenium	ug/L	ND	15.0	10/08/14 09:30	
Silver	ug/L	ND	7.0	10/08/14 09:30	
Thallium	ug/L	ND	20.0	10/08/14 09:30	
Zinc	ug/L	ND	50.0	10/08/14 09:30	

LABORATORY CONTROL SAMPLE: 1455461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9610	96	85-115	
Antimony	ug/L	1000	985	99	85-115	
Arsenic	ug/L	1000	952	95	85-115	
Beryllium	ug/L	1000	955	95	85-115	
Cadmium	ug/L	1000	970	97	85-115	
Chromium	ug/L	1000	947	95	85-115	
Cobalt	ug/L	1000	991	99	85-115	
Copper	ug/L	1000	958	96	85-115	
Iron	ug/L	10000	9670	97	85-115	
Lead	ug/L	1000	972	97	85-115	
Nickel	ug/L	1000	991	99	85-115	
Selenium	ug/L	1000	946	95	85-115	
Silver	ug/L	500	473	95	85-115	
Thallium	ug/L	1000	964	96	85-115	
Zinc	ug/L	1000	958	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455462												1455463											
Parameter	Units	60178356001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual											
			Spike Conc.	Spike Conc.																			
Aluminum	ug/L	157	10000	10000	10000	9950	99	98	70-130	1	8												
Antimony	ug/L	ND	1000	1000	1010	993	101	99	70-130	1	7												
Arsenic	ug/L	49.0	1000	1000	1070	1060	102	101	70-130	1	10												
Beryllium	ug/L	ND	1000	1000	973	962	97	96	70-130	1	7												
Cadmium	ug/L	ND	1000	1000	1010	998	101	100	70-130	1	10												
Chromium	ug/L	ND	1000	1000	948	941	94	94	70-130	1	10												
Cobalt	ug/L	ND	1000	1000	969	959	97	96	70-130	1	6												
Copper	ug/L	53.0	1000	1000	1070	1060	102	100	70-130	1	11												
Iron	ug/L	4100	10000	10000	13400	13300	93	92	70-130	1	10												
Lead	ug/L	148	1000	1000	1080	1080	94	93	70-130	1	10												
Nickel	ug/L	34.5	1000	1000	988	978	95	94	70-130	1	10												
Selenium	ug/L	659	1000	1000	1620	1610	96	95	70-130	0	10												
Silver	ug/L	ND	500	500	504	497	100	99	70-130	1	10												
Thallium	ug/L	ND	1000	1000	840	825	84	82	70-130	2	6												
Zinc	ug/L	108	1000	1000	1020	1020	91	91	70-130	0	11												

MATRIX SPIKE SAMPLE: 1455464											
Parameter	Units	60179393001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	1150	10000
Antimony	ug/L	ND	1000	990	99	70-130					
Arsenic	ug/L	ND	1000	946	95	70-130					
Beryllium	ug/L	0.42J	1000	953	95	70-130					
Cadmium	ug/L	0.66J	1000	972	97	70-130					
Chromium	ug/L	6.8	1000	941	93	70-130					
Cobalt	ug/L	2.2J	1000	985	98	70-130					
Copper	ug/L	23.2	1000	988	96	70-130					
Iron	ug/L	4670	10000	13900	92	70-130					
Lead	ug/L	14.0	1000	976	96	70-130					
Nickel	ug/L	8.4	1000	988	98	70-130					
Selenium	ug/L	ND	1000	954	95	70-130					
Silver	ug/L	ND	500	473	94	70-130					
Thallium	ug/L	3.9J	1000	954	95	70-130					
Zinc	ug/L	330	1000	1230	90	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch: MPRP/29228

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60179587001

METHOD BLANK: 1455953

Matrix: Water

Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/09/14 09:56	
Antimony, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Arsenic, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Beryllium, Dissolved	ug/L	ND	1.0	10/09/14 09:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Chromium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Cobalt, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Copper, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Iron, Dissolved	ug/L	ND	50.0	10/09/14 09:56	
Lead, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Nickel, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Selenium, Dissolved	ug/L	ND	15.0	10/09/14 09:56	
Silver, Dissolved	ug/L	ND	7.0	10/09/14 09:56	
Thallium, Dissolved	ug/L	ND	20.0	10/09/14 09:56	
Zinc, Dissolved	ug/L	ND	50.0	10/09/14 09:56	

LABORATORY CONTROL SAMPLE: 1455954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10500	105	85-115	
Antimony, Dissolved	ug/L	1000	1030	103	85-115	
Arsenic, Dissolved	ug/L	1000	998	100	85-115	
Beryllium, Dissolved	ug/L	1000	1040	104	85-115	
Cadmium, Dissolved	ug/L	1000	1010	101	85-115	
Chromium, Dissolved	ug/L	1000	1030	103	85-115	
Cobalt, Dissolved	ug/L	1000	975	98	85-115	
Copper, Dissolved	ug/L	1000	1030	103	85-115	
Iron, Dissolved	ug/L	10000	9900	99	85-115	
Lead, Dissolved	ug/L	1000	976	98	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	959	96	85-115	
Silver, Dissolved	ug/L	500	480	96	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	970	97	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

Parameter	Units	1455955		1455956		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		60179403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Aluminum, Dissolved	ug/L	ND	50000	50000	52800	52200	105	104	70-130	1	8
Antimony, Dissolved	ug/L	ND	5000	5000	5300	5240	106	105	70-130	1	7
Arsenic, Dissolved	ug/L	205	5000	5000	5470	5310	105	102	70-130	3	10
Beryllium, Dissolved	ug/L	ND	5000	5000	5140	5120	103	102	70-130	0	7
Cadmium, Dissolved	ug/L	ND	5000	5000	5160	5100	103	102	70-130	1	10
Chromium, Dissolved	ug/L	51.7	5000	5000	5120	5060	101	100	70-130	1	10
Cobalt, Dissolved	ug/L	ND	5000	5000	4660	4660	93	93	70-130	0	6
Copper, Dissolved	ug/L	ND	5000	5000	5260	5210	105	104	70-130	1	11
Iron, Dissolved	ug/L	40500	50000	50000	96400	79300	112	78	70-130	19	10 R1
Lead, Dissolved	ug/L	ND	5000	5000	4610	4630	92	92	70-130	0	10
Nickel, Dissolved	ug/L	37.4	5000	5000	4930	4920	98	98	70-130	0	10
Selenium, Dissolved	ug/L	ND	5000	5000	5140	5040	103	101	70-130	2	10
Silver, Dissolved	ug/L	ND	2500	2500	2490	2440	99	98	70-130	2	10
Thallium, Dissolved	ug/L	ND	5000	5000	4720	4800	94	96	70-130	2	6
Zinc, Dissolved	ug/L	293	5000	5000	5000	4880	94	92	70-130	2	11

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch: MSV/64947 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60179587001, 60179587002

METHOD BLANK: 1456627 Matrix: Water

Associated Lab Samples: 60179587001, 60179587002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/09/14 17:06	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,2-Dichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/09/14 17:06	
2-Butanone (MEK)	ug/L	ND	10.0	10/09/14 17:06	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/09/14 17:06	N2
Acetone	ug/L	ND	10.0	10/09/14 17:06	N2
Benzene	ug/L	ND	1.0	10/09/14 17:06	
Bromodichloromethane	ug/L	ND	1.0	10/09/14 17:06	
Bromoform	ug/L	ND	1.0	10/09/14 17:06	
Bromomethane	ug/L	ND	5.0	10/09/14 17:06	
Carbon tetrachloride	ug/L	ND	1.0	10/09/14 17:06	
Chloroethane	ug/L	ND	1.0	10/09/14 17:06	
Chloroform	ug/L	ND	1.0	10/09/14 17:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	N2
Ethylbenzene	ug/L	ND	1.0	10/09/14 17:06	
Methylene chloride	ug/L	ND	1.0	10/09/14 17:06	
Tetrachloroethene	ug/L	ND	1.0	10/09/14 17:06	
Toluene	ug/L	ND	1.0	10/09/14 17:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Trichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Vinyl chloride	ug/L	ND	1.0	10/09/14 17:06	
Xylene (Total)	ug/L	ND	3.0	10/09/14 17:06	N2
1,2-Dichloroethane-d4 (S)	%	102	80-120	10/09/14 17:06	
4-Bromofluorobenzene (S)	%	106	80-120	10/09/14 17:06	
Toluene-d8 (S)	%	98	80-120	10/09/14 17:06	

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	98	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.6	103	67-124	
1,2-Dichloroethane	ug/L	20	20.8	104	70-126	
1,4-Dichlorobenzene	ug/L	20	19.7	98	74-120	
2-Butanone (MEK)	ug/L	100	99.9	100	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	59-131	N2
Acetone	ug/L	100	103	103	38-134	N2
Benzene	ug/L	20	19.8	99	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.4	102	68-125	
Bromoform	ug/L	20	21.5	108	65-127	
Bromomethane	ug/L	20	26.0	130	13-157	
Carbon tetrachloride	ug/L	20	19.6	98	70-131	
Chloroethane	ug/L	20	22.1	110	47-133	
Chloroform	ug/L	20	19.5	98	65-127	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	68-127	N2
Ethylbenzene	ug/L	20	20.1	101	74-122	
Methylene chloride	ug/L	20	19.1	96	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	19.5	97	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	66-129	
Trichloroethene	ug/L	20	19.2	96	71-123	
Vinyl chloride	ug/L	20	24.3	121	43-129	
Xylene (Total)	ug/L	60	62.5	104	75-121	N2
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE SAMPLE: 1456629

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	4000	5230	131	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	4000	5290	132	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	4000	5140	129	52-143	
1,2-Dichloroethane	ug/L	ND	4000	4860	121	49-144	
1,4-Dichlorobenzene	ug/L	ND	4000	4990	123	33-140	
2-Butanone (MEK)	ug/L	15400	20000	35800	102	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20000	22600	112	40-160	N2
Acetone	ug/L	44300	20000	59100	74	10-160	N2
Benzene	ug/L	ND	4000	5130	126	37-151	
Bromodichloromethane	ug/L	ND	4000	5000	125	35-142	
Bromoform	ug/L	ND	4000	5310	133	45-142	
Bromomethane	ug/L	ND	4000	5780	145	10-158	
Carbon tetrachloride	ug/L	ND	4000	5530	138	70-140	
Chloroethane	ug/L	ND	4000	5070	127	19-152	
Chloroform	ug/L	ND	4000	4790	120	51-138	
cis-1,2-Dichloroethene	ug/L	ND	4000	4810	120	34-147	N2
Ethylbenzene	ug/L	ND	4000	5280	132	40-142	
Methylene chloride	ug/L	ND	4000	4710	116	31-144	
Tetrachloroethene	ug/L	ND	4000	5500	138	64-148	
Toluene	ug/L	ND	4000	5060	123	47-150	
trans-1,2-Dichloroethene	ug/L	ND	4000	5120	128	54-151	
Trichloroethene	ug/L	ND	4000	4980	124	71-149	
Vinyl chloride	ug/L	ND	4000	5660	142	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

MATRIX SPIKE SAMPLE:		1456629					
Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	12000	15800	132	37-144	N2
1,2-Dichloroethane-d4 (S)	%				94	80-120	
4-Bromofluorobenzene (S)	%				102	80-120	
Toluene-d8 (S)	%				97	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027
Pace Project No.: 60179587

QC Batch: OEXT/46555 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 60179587001

METHOD BLANK: 1456362 Matrix: Water
Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/10/14 09:24	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/10/14 09:24	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/10/14 09:24	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/10/14 09:24	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/10/14 09:24	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/10/14 09:24	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/10/14 09:24	
Hexachloroethane	ug/L	ND	5.0	10/10/14 09:24	
Naphthalene	ug/L	ND	5.0	10/10/14 09:24	
Nitrobenzene	ug/L	ND	5.0	10/10/14 09:24	
Pentachlorophenol	ug/L	ND	5.0	10/10/14 09:24	
Phenol	ug/L	ND	5.0	10/10/14 09:24	
2,4,6-Tribromophenol (S)	%	81	39-120	10/10/14 09:24	
2-Fluorobiphenyl (S)	%	81	39-120	10/10/14 09:24	
2-Fluorophenol (S)	%	42	17-120	10/10/14 09:24	
Nitrobenzene-d5 (S)	%	78	33-120	10/10/14 09:24	
Phenol-d6 (S)	%	27	11-120	10/10/14 09:24	
Terphenyl-d14 (S)	%	86	45-120	10/10/14 09:24	

LABORATORY CONTROL SAMPLE: 1456363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	46-120	
2,4,6-Trichlorophenol	ug/L	50	47.9	96	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	37.3	75	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.5	65	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	52.6	105	40-133	
Hexachloro-1,3-butadiene	ug/L	50	42.8	86	44-116	
Hexachlorocyclopentadiene	ug/L	100	44.7	45	24-120	
Hexachloroethane	ug/L	50	42.5	85	43-113	
Naphthalene	ug/L	50	45.0	90	48-120	
Nitrobenzene	ug/L	50	46.7	93	48-120	
Pentachlorophenol	ug/L	50	51.6	103	47-120	
Phenol	ug/L	50	16.6	33	16-112	
2,4,6-Tribromophenol (S)	%			97	39-120	
2-Fluorobiphenyl (S)	%			94	39-120	
2-Fluorophenol (S)	%			48	17-120	
Nitrobenzene-d5 (S)	%			95	33-120	
Phenol-d6 (S)	%			31	11-120	
Terphenyl-d14 (S)	%			100	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

MATRIX SPIKE SAMPLE:	1456364	60179421001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	39.8	80	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	44.1	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.8	64	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	28.7	57	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	47.6	95	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	39.7	79	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	42.7	43	11-120	
Hexachloroethane	ug/L	ND	50	40.0	80	40-113	
Naphthalene	ug/L	ND	50	41.4	83	45-120	
Nitrobenzene	ug/L	ND	50	42.2	84	38-120	
Pentachlorophenol	ug/L	ND	50	47.0	94	43-135	
Phenol	ug/L	ND	50	14.1	28	13-112	
2,4,6-Tribromophenol (S)	%				89	39-120	
2-Fluorobiphenyl (S)	%				87	39-120	
2-Fluorophenol (S)	%				40	17-120	
Nitrobenzene-d5 (S)	%				85	33-120	
Phenol-d6 (S)	%				27	11-120	
Terphenyl-d14 (S)	%				90	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch: WET/50754

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60179587001

METHOD BLANK: 1456024

Matrix: Water

Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/08/14 16:02	

LABORATORY CONTROL SAMPLE: 1456025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	41.3	103	78-114	

MATRIX SPIKE SAMPLE: 1456026

Parameter	Units	60179137001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	46.5	42.4	86	78-114	

SAMPLE DUPLICATE: 1456027

Parameter	Units	60179364001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	.94J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch: WET/50755

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 SGT-HEM, TPH

Associated Lab Samples: 60179587001

METHOD BLANK: 1456032

Matrix: Water

Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/09/14 10:14	

LABORATORY CONTROL SAMPLE: 1456033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	20.5	102	64-132	

MATRIX SPIKE SAMPLE: 1456034

Parameter	Units	60179337001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	17.7	79	64-132	

SAMPLE DUPLICATE: 1456035

Parameter	Units	60179364001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.8J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch: WET/50807

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60179587001

METHOD BLANK: 1457224

Matrix: Water

Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/10/14 08:44	

SAMPLE DUPLICATE: 1457225

Parameter	Units	60179526005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	34.0	34.0	0	10	

SAMPLE DUPLICATE: 1457226

Parameter	Units	60179587001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	7460	7580	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch: WET/50756 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60179587001

SAMPLE DUPLICATE: 1456046

Parameter	Units	60179118001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.1	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch: WET/50709

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60179587001

METHOD BLANK: 1455024

Matrix: Water

Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/11/14 14:54	

LABORATORY CONTROL SAMPLE: 1455025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	204	103	85-115	

SAMPLE DUPLICATE: 1455026

Parameter	Units	60179586001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	8490	8250	3	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch:	WETA/31313	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60179587001		

METHOD BLANK: 1458950 Matrix: Water
Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/13/14 12:40	

LABORATORY CONTROL SAMPLE: 1458951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 1458952

Parameter	Units	60179847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.3	2	5.8	74	90-110	M1

SAMPLE DUPLICATE: 1458953

Parameter	Units	60178889001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.042J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

QC Batch:	WETA/31253	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60179587001		

METHOD BLANK: 1455190 Matrix: Water
Associated Lab Samples: 60179587001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/08/14 10:20	

LABORATORY CONTROL SAMPLE: 1455191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	47.0	94	90-110	

MATRIX SPIKE SAMPLE: 1455192

Parameter	Units	60178781001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	172	250	420	99	90-110	

MATRIX SPIKE SAMPLE: 1455194

Parameter	Units	60179052004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	3330	2500	5640	92	90-110	

SAMPLE DUPLICATE: 1455193

Parameter	Units	60179108001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	84.8	88.3	4	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-027

Pace Project No.: 60179587

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179587001	T1-027	EPA 200.7	MPRP/29208	EPA 200.7	ICP/21975
60179587001	T1-027	EPA 200.7	MPRP/29228	EPA 200.7	ICP/21984
60179587001	T1-027	EPA 245.1	MERP/8882	EPA 245.1	MERC/8838
60179587001	T1-027	EPA 245.1	MERP/8884	EPA 245.1	MERC/8839
60179587001	T1-027	EPA 625	OEXT/46555	EPA 625	MSSV/14962
60179587001	T1-027	EPA 624 Low	MSV/64947		
60179587002	TRIP BLANK	EPA 624 Low	MSV/64947		
60179587001	T1-027	EPA 1664A	WET/50754		
60179587001	T1-027	EPA 1664A	WET/50755		
60179587001	T1-027	SM 2540D	WET/50807		
60179587001	T1-027	SM 4500-H+B	WET/50756		
60179587001	T1-027	SM 5210B	WET/50709	SM 5210B	WET/50840
60179587001	T1-027	EPA 350.1	WETA/31313		
60179587001	T1-027	EPA 410.4	WETA/31253		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

IID#: 60179587



Client Name: Farr

Courier: Fed Ex UPS USPS Client Commercial Pace Other roads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 2.8 J. G. CW 10/6/14 (circle one)

Temperature should be above freezing to 6°C

Date and initials of person examining contents: _____

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>BOD, pH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>BPBS initial pH 6.0 added 1.0 mL H2SO4 final pH = 1.5</u> <u>BPBS initial pH 6.0 added 2.5 mL ANO2 final pH = 4.0</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>CW</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative <u>12513-37-10</u> <u>12787-19-8</u>
Pace Trip Blank lot # (if purchased): <u>Checked</u>		15.
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16. <u>5/5 vials have headspace</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 10/8/14

October 28, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

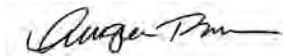
RE: Project: BRIDGETON LF T1-028
Pace Project No.: 60179699

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179699001	T1-028	Water	10/06/14 14:26	10/08/14 03:00
60179699002	TRIP BLANK	Water	10/06/14 14:26	10/08/14 03:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60179699001	T1-028	EPA 200.7	JGP	15
		EPA 200.7	JGP	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540B	MER	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
60179699002	TRIP BLANK	EPA 624 Low	EAK	28

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

Date: October 28, 2014

Amended report revised 10/28/14 to include Percent Total Solids and a secondary analysis for Total Suspended Solids.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

Sample: T1-028		Lab ID: 60179699001	Collected: 10/06/14 14:26	Received: 10/08/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	7840	ug/L	375	1	10/09/14 09:15	10/09/14 13:49	7429-90-5	
Antimony	ND	ug/L	50.0	1	10/09/14 09:15	10/09/14 13:49	7440-36-0	
Arsenic	489	ug/L	50.0	1	10/09/14 09:15	10/09/14 13:49	7440-38-2	
Beryllium	ND	ug/L	5.0	1	10/09/14 09:15	10/09/14 13:49	7440-41-7	
Cadmium	ND	ug/L	25.0	1	10/09/14 09:15	10/09/14 13:49	7440-43-9	
Chromium	165	ug/L	25.0	1	10/09/14 09:15	10/09/14 13:49	7440-47-3	
Cobalt	26.8	ug/L	25.0	1	10/09/14 09:15	10/09/14 13:49	7440-48-4	
Copper	ND	ug/L	50.0	1	10/09/14 09:15	10/09/14 13:49	7440-50-8	
Iron	46600	ug/L	250	1	10/09/14 09:15	10/09/14 13:49	7439-89-6	M1
Lead	100	ug/L	25.0	1	10/09/14 09:15	10/09/14 13:49	7439-92-1	
Nickel	82.4	ug/L	25.0	1	10/09/14 09:15	10/09/14 13:49	7440-02-0	
Silver	ND	ug/L	35.0	1	10/09/14 09:15	10/09/14 13:49	7440-22-4	
Zinc	4680	ug/L	250	1	10/09/14 09:15	10/09/14 13:49	7440-66-6	
Thallium	ND	ug/L	100	1	10/09/14 09:15	10/09/14 13:49	7440-28-0	
Selenium	ND	ug/L	75.0	1	10/09/14 09:15	10/09/14 13:49	7782-49-2	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND	ug/L	375	1	10/08/14 14:15	10/09/14 10:24	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	10/08/14 14:15	10/09/14 10:24	7440-36-0	
Arsenic, Dissolved	181	ug/L	50.0	1	10/08/14 14:15	10/09/14 10:24	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	10/08/14 14:15	10/09/14 10:24	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	10/08/14 14:15	10/09/14 10:24	7440-43-9	
Chromium, Dissolved	52.3	ug/L	25.0	1	10/08/14 14:15	10/09/14 10:24	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	10/08/14 14:15	10/09/14 10:24	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	10/08/14 14:15	10/09/14 10:24	7440-50-8	
Iron, Dissolved	66300	ug/L	250	1	10/08/14 14:15	10/09/14 10:24	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	10/08/14 14:15	10/09/14 10:24	7439-92-1	
Nickel, Dissolved	43.1	ug/L	25.0	1	10/08/14 14:15	10/09/14 10:24	7440-02-0	
Silver, Dissolved	ND	ug/L	35.0	1	10/08/14 14:15	10/09/14 10:24	7440-22-4	
Zinc, Dissolved	ND	ug/L	250	1	10/08/14 14:15	10/09/14 10:24	7440-66-6	
Thallium, Dissolved	ND	ug/L	100	1	10/08/14 14:15	10/09/14 10:24	7440-28-0	
Selenium, Dissolved	ND	ug/L	75.0	1	10/08/14 14:15	10/09/14 10:24	7782-49-2	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	6.0	1	10/09/14 15:25	10/10/14 10:29	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	10/09/14 09:05	10/09/14 15:33	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	2500	1	10/09/14 00:00	10/12/14 17:04	534-52-1	
Hexachloro-1,3-butadiene	ND	ug/L	500	1	10/09/14 00:00	10/12/14 17:04	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	500	1	10/09/14 00:00	10/12/14 17:04	77-47-4	
Hexachloroethane	ND	ug/L	500	1	10/09/14 00:00	10/12/14 17:04	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1000	1	10/09/14 00:00	10/12/14 17:04	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2040	ug/L	2000	1	10/09/14 00:00	10/12/14 17:04		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

Sample: T1-028	Lab ID: 60179699001	Collected: 10/06/14 14:26	Received: 10/08/14 03:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

625 MSSV

Analytical Method: EPA 625 Preparation Method: EPA 625

Naphthalene	ND ug/L	500	1	10/09/14 00:00	10/12/14 17:04	91-20-3		
Nitrobenzene	ND ug/L	500	1	10/09/14 00:00	10/12/14 17:04	98-95-3		
Pentachlorophenol	ND ug/L	500	1	10/09/14 00:00	10/12/14 17:04	87-86-5		
Phenol	2850 ug/L	500	1	10/09/14 00:00	10/12/14 17:04	108-95-2		
1,2,4-Trichlorobenzene	ND ug/L	500	1	10/09/14 00:00	10/12/14 17:04	120-82-1		
2,4,6-Trichlorophenol	ND ug/L	500	1	10/09/14 00:00	10/12/14 17:04	88-06-2		
Surrogates								
Nitrobenzene-d5 (S)	91 %	33-120	1	10/09/14 00:00	10/12/14 17:04	4165-60-0		
2-Fluorobiphenyl (S)	81 %	39-120	1	10/09/14 00:00	10/12/14 17:04	321-60-8		
Terphenyl-d14 (S)	88 %	45-120	1	10/09/14 00:00	10/12/14 17:04	1718-51-0		
Phenol-d6 (S)	28 %	11-120	1	10/09/14 00:00	10/12/14 17:04	13127-88-3		
2-Fluorophenol (S)	40 %	17-120	1	10/09/14 00:00	10/12/14 17:04	367-12-4		
2,4,6-Tribromophenol (S)	79 %	39-120	1	10/09/14 00:00	10/12/14 17:04	118-79-6		

624 Volatile Organics

Analytical Method: EPA 624 Low

Acetone	65500 ug/L	1000	100	10/09/14 19:28	67-64-1	N2		
Benzene	ND ug/L	100	100	10/09/14 19:28	71-43-2			
Bromodichloromethane	ND ug/L	100	100	10/09/14 19:28	75-27-4			
Bromoform	ND ug/L	100	100	10/09/14 19:28	75-25-2			
Bromomethane	ND ug/L	500	100	10/09/14 19:28	74-83-9			
2-Butanone (MEK)	21500 ug/L	1000	100	10/09/14 19:28	78-93-3	N2		
Carbon tetrachloride	ND ug/L	100	100	10/09/14 19:28	56-23-5			
Chloroethane	ND ug/L	100	100	10/09/14 19:28	75-00-3			
Chloroform	ND ug/L	100	100	10/09/14 19:28	67-66-3			
1,4-Dichlorobenzene	ND ug/L	100	100	10/09/14 19:28	106-46-7			
1,2-Dichloroethane	ND ug/L	100	100	10/09/14 19:28	107-06-2			
cis-1,2-Dichloroethene	ND ug/L	100	100	10/09/14 19:28	156-59-2	N2		
trans-1,2-Dichloroethene	ND ug/L	100	100	10/09/14 19:28	156-60-5			
Ethylbenzene	ND ug/L	100	100	10/09/14 19:28	100-41-4			
Methylene chloride	ND ug/L	100	100	10/09/14 19:28	75-09-2			
4-Methyl-2-pentanone (MIBK)	ND ug/L	1000	100	10/09/14 19:28	108-10-1	N2		
1,1,2-Tetrachloroethane	ND ug/L	100	100	10/09/14 19:28	79-34-5	N2		
Tetrachloroethene	ND ug/L	100	100	10/09/14 19:28	127-18-4			
Toluene	ND ug/L	100	100	10/09/14 19:28	108-88-3			
1,1,1-Trichloroethane	ND ug/L	100	100	10/09/14 19:28	71-55-6			
1,1,2-Trichloroethane	ND ug/L	100	100	10/09/14 19:28	79-00-5			
Trichloroethene	ND ug/L	100	100	10/09/14 19:28	79-01-6			
Vinyl chloride	ND ug/L	100	100	10/09/14 19:28	75-01-4			
Xylene (Total)	ND ug/L	300	100	10/09/14 19:28	1330-20-7	N2		
Surrogates								
4-Bromofluorobenzene (S)	100 %	80-120	100	10/09/14 19:28	460-00-4			
Toluene-d8 (S)	102 %	80-120	100	10/09/14 19:28	2037-26-5			
1,2-Dichloroethane-d4 (S)	101 %	80-120	100	10/09/14 19:28	17060-07-0			
Preservation pH	6.0	1.0	100	10/09/14 19:28				

HEM, Oil and Grease

Analytical Method: EPA 1664A

Oil and Grease	87.7 mg/L	5.0	1	10/10/14 14:49
----------------	------------------	-----	---	----------------

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

Sample: T1-028		Lab ID: 60179699001	Collected: 10/06/14 14:26	Received: 10/08/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	7.7 mg/L		5.0	1		10/10/14 14:54		
2540B Total Solids		Analytical Method: SM 2540B						
Total Solids	23100 mg/L		5.0	1		10/27/14 08:16		H1
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	13900 mg/L		5.0	1		10/10/14 08:51		
Total Suspended Solids	7400 mg/L		5.0	1		10/24/14 12:56		1e,H3
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.2 Std. Units		0.10	1		10/08/14 13:15		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	8530 mg/L		2.0	1	10/08/14 10:04	10/13/14 09:26		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	145 mg/L		10.0	100		10/13/14 12:45	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	20100 mg/L		2500	250		10/14/14 06:55		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

Sample: TRIP BLANK		Lab ID: 60179699002	Collected: 10/06/14 14:26	Received: 10/08/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/09/14 21:07	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/09/14 21:07	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/09/14 21:07	75-27-4	
Bromoform	ND ug/L		1.0	1		10/09/14 21:07	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/09/14 21:07	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/09/14 21:07	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/09/14 21:07	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/09/14 21:07	75-00-3	
Chloroform	ND ug/L		1.0	1		10/09/14 21:07	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/09/14 21:07	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/09/14 21:07	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 21:07	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 21:07	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/09/14 21:07	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/09/14 21:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/09/14 21:07	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/09/14 21:07	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/09/14 21:07	127-18-4	
Toluene	ND ug/L		1.0	1		10/09/14 21:07	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/09/14 21:07	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/09/14 21:07	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/09/14 21:07	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/09/14 21:07	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/09/14 21:07	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	98 %		80-120	1		10/09/14 21:07	460-00-4	
Toluene-d8 (S)	100 %		80-120	1		10/09/14 21:07	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	1		10/09/14 21:07	17060-07-0	
Preservation pH	6.0		1.0	1		10/09/14 21:07		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch: MERP/8888

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60179699001

METHOD BLANK: 1456653

Matrix: Water

Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/10/14 10:24	

LABORATORY CONTROL SAMPLE: 1456654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1456655 1456656

Parameter	Units	60179699001		1456655		1456656		% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Mercury	ug/L	ND	150	150	89.7	91.8	57	59	70-130	2	20 M1

MATRIX SPIKE SAMPLE: 1456657

Parameter	Units	60179809001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	95.4	60	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch: MERP/8884

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60179699001

METHOD BLANK: 1455996

Matrix: Water

Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/09/14 15:09	

LABORATORY CONTROL SAMPLE: 1455997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455998 1455999

Parameter	Units	60179262001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits		
Mercury, Dissolved	ug/L	ND	150	150	97.2	86.7	65	58	70-130	11	20 M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028
Pace Project No.: 60179699

QC Batch: MPRP/29233 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 60179699001

METHOD BLANK: 1456514 Matrix: Water
Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/09/14 13:38	
Antimony	ug/L	ND	10.0	10/09/14 13:38	
Arsenic	ug/L	ND	10.0	10/09/14 13:38	
Beryllium	ug/L	ND	1.0	10/09/14 13:38	
Cadmium	ug/L	ND	5.0	10/09/14 13:38	
Chromium	ug/L	ND	5.0	10/09/14 13:38	
Cobalt	ug/L	ND	5.0	10/09/14 13:38	
Copper	ug/L	ND	10.0	10/09/14 13:38	
Iron	ug/L	ND	50.0	10/09/14 13:38	
Lead	ug/L	ND	5.0	10/09/14 13:38	
Nickel	ug/L	ND	5.0	10/09/14 13:38	
Selenium	ug/L	ND	15.0	10/09/14 13:38	
Silver	ug/L	ND	7.0	10/09/14 13:38	
Thallium	ug/L	ND	20.0	10/09/14 13:38	
Zinc	ug/L	ND	50.0	10/09/14 13:38	

LABORATORY CONTROL SAMPLE: 1456515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9720	97	85-115	
Antimony	ug/L	1000	968	97	85-115	
Arsenic	ug/L	1000	933	93	85-115	
Beryllium	ug/L	1000	958	96	85-115	
Cadmium	ug/L	1000	960	96	85-115	
Chromium	ug/L	1000	978	98	85-115	
Cobalt	ug/L	1000	986	99	85-115	
Copper	ug/L	1000	941	94	85-115	
Iron	ug/L	10000	9600	96	85-115	
Lead	ug/L	1000	989	99	85-115	
Nickel	ug/L	1000	991	99	85-115	
Selenium	ug/L	1000	948	95	85-115	
Silver	ug/L	500	472	94	85-115	
Thallium	ug/L	1000	980	98	85-115	
Zinc	ug/L	1000	968	97	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1456516												1456517											
Parameter	Units	60179699001		MS	MSD	MS		MSD		% Rec		Max		Qual									
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD												
Aluminum	ug/L	7840	50000	50000	61900	64000	108	112	70-130	3	8												
Antimony	ug/L	ND	5000	5000	5160	5100	103	101	70-130	1	7												
Arsenic	ug/L	489	5000	5000	5760	5780	106	106	70-130	0	10												
Beryllium	ug/L	ND	5000	5000	4890	5140	98	103	70-130	5	7												
Cadmium	ug/L	ND	5000	5000	5160	5260	103	105	70-130	2	10												
Chromium	ug/L	165	5000	5000	5000	5500	97	107	70-130	10	10												
Cobalt	ug/L	26.8	5000	5000	4840	5040	96	100	70-130	4	6												
Copper	ug/L	ND	5000	5000	5170	5180	103	103	70-130	0	11												
Iron	ug/L	466000	50000	50000	554000	552000	177	172	70-130	0	10	M1											
Lead	ug/L	100	5000	5000	4700	5000	92	98	70-130	6	10												
Nickel	ug/L	82.4	5000	5000	4870	5100	96	100	70-130	5	10												
Selenium	ug/L	ND	5000	5000	5380	5340	107	107	70-130	1	10												
Silver	ug/L	ND	2500	2500	2610	2740	104	109	70-130	5	10												
Thallium	ug/L	ND	5000	5000	4260	4480	85	89	70-130	5	6												
Zinc	ug/L	4680	5000	5000	9600	10200	98	111	70-130	6	11												

MATRIX SPIKE SAMPLE: 1456518											
Parameter	Units	60179710001		Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers			
		Result	Spike Conc.								
Aluminum	ug/L		8080	50000	63100	110	70-130				
Antimony	ug/L		ND	5000	5120	102	70-130				
Arsenic	ug/L		540	5000	5730	104	70-130				
Beryllium	ug/L		ND	5000	5160	103	70-130				
Cadmium	ug/L		ND	5000	5260	105	70-130				
Chromium	ug/L		191	5000	5540	107	70-130				
Cobalt	ug/L		28.3	5000	5080	101	70-130				
Copper	ug/L		ND	5000	5190	103	70-130				
Iron	ug/L		536000	50000	516000	-38	70-130	M1			
Lead	ug/L		110	5000	5070	99	70-130				
Nickel	ug/L		88.3	5000	5120	101	70-130				
Selenium	ug/L		ND	5000	5340	107	70-130				
Silver	ug/L		ND	2500	2740	109	70-130				
Thallium	ug/L		ND	5000	4560	91	70-130				
Zinc	ug/L		5610	5000	10000	88	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch: MPRP/29228

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60179699001

METHOD BLANK: 1455953

Matrix: Water

Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/09/14 09:56	
Antimony, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Arsenic, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Beryllium, Dissolved	ug/L	ND	1.0	10/09/14 09:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Chromium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Cobalt, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Copper, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Iron, Dissolved	ug/L	ND	50.0	10/09/14 09:56	
Lead, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Nickel, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Selenium, Dissolved	ug/L	ND	15.0	10/09/14 09:56	
Silver, Dissolved	ug/L	ND	7.0	10/09/14 09:56	
Thallium, Dissolved	ug/L	ND	20.0	10/09/14 09:56	
Zinc, Dissolved	ug/L	ND	50.0	10/09/14 09:56	

LABORATORY CONTROL SAMPLE: 1455954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10500	105	85-115	
Antimony, Dissolved	ug/L	1000	1030	103	85-115	
Arsenic, Dissolved	ug/L	1000	998	100	85-115	
Beryllium, Dissolved	ug/L	1000	1040	104	85-115	
Cadmium, Dissolved	ug/L	1000	1010	101	85-115	
Chromium, Dissolved	ug/L	1000	1030	103	85-115	
Cobalt, Dissolved	ug/L	1000	975	98	85-115	
Copper, Dissolved	ug/L	1000	1030	103	85-115	
Iron, Dissolved	ug/L	10000	9900	99	85-115	
Lead, Dissolved	ug/L	1000	976	98	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	959	96	85-115	
Silver, Dissolved	ug/L	500	480	96	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	970	97	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

Parameter	Units	1455955		1455956		MS % Rec	MSD % Rec	% Rec	Limits	RPD	Max RPD	Qual
		60179403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Aluminum, Dissolved	ug/L	ND	50000	50000	52800	52200	105	104	70-130	1	8	
Antimony, Dissolved	ug/L	ND	5000	5000	5300	5240	106	105	70-130	1	7	
Arsenic, Dissolved	ug/L	205	5000	5000	5470	5310	105	102	70-130	3	10	
Beryllium, Dissolved	ug/L	ND	5000	5000	5140	5120	103	102	70-130	0	7	
Cadmium, Dissolved	ug/L	ND	5000	5000	5160	5100	103	102	70-130	1	10	
Chromium, Dissolved	ug/L	51.7	5000	5000	5120	5060	101	100	70-130	1	10	
Cobalt, Dissolved	ug/L	ND	5000	5000	4660	4660	93	93	70-130	0	6	
Copper, Dissolved	ug/L	ND	5000	5000	5260	5210	105	104	70-130	1	11	
Iron, Dissolved	ug/L	40500	50000	50000	96400	79300	112	78	70-130	19	10 R1	
Lead, Dissolved	ug/L	ND	5000	5000	4610	4630	92	92	70-130	0	10	
Nickel, Dissolved	ug/L	37.4	5000	5000	4930	4920	98	98	70-130	0	10	
Selenium, Dissolved	ug/L	ND	5000	5000	5140	5040	103	101	70-130	2	10	
Silver, Dissolved	ug/L	ND	2500	2500	2490	2440	99	98	70-130	2	10	
Thallium, Dissolved	ug/L	ND	5000	5000	4720	4800	94	96	70-130	2	6	
Zinc, Dissolved	ug/L	293	5000	5000	5000	4880	94	92	70-130	2	11	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch: MSV/64947 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60179699001, 60179699002

METHOD BLANK: 1456627 Matrix: Water

Associated Lab Samples: 60179699001, 60179699002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/09/14 17:06	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,2-Dichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/09/14 17:06	
2-Butanone (MEK)	ug/L	ND	10.0	10/09/14 17:06	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/09/14 17:06	N2
Acetone	ug/L	ND	10.0	10/09/14 17:06	N2
Benzene	ug/L	ND	1.0	10/09/14 17:06	
Bromodichloromethane	ug/L	ND	1.0	10/09/14 17:06	
Bromoform	ug/L	ND	1.0	10/09/14 17:06	
Bromomethane	ug/L	ND	5.0	10/09/14 17:06	
Carbon tetrachloride	ug/L	ND	1.0	10/09/14 17:06	
Chloroethane	ug/L	ND	1.0	10/09/14 17:06	
Chloroform	ug/L	ND	1.0	10/09/14 17:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	N2
Ethylbenzene	ug/L	ND	1.0	10/09/14 17:06	
Methylene chloride	ug/L	ND	1.0	10/09/14 17:06	
Tetrachloroethene	ug/L	ND	1.0	10/09/14 17:06	
Toluene	ug/L	ND	1.0	10/09/14 17:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Trichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Vinyl chloride	ug/L	ND	1.0	10/09/14 17:06	
Xylene (Total)	ug/L	ND	3.0	10/09/14 17:06	N2
1,2-Dichloroethane-d4 (S)	%	102	80-120	10/09/14 17:06	
4-Bromofluorobenzene (S)	%	106	80-120	10/09/14 17:06	
Toluene-d8 (S)	%	98	80-120	10/09/14 17:06	

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	98	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.6	103	67-124	
1,2-Dichloroethane	ug/L	20	20.8	104	70-126	
1,4-Dichlorobenzene	ug/L	20	19.7	98	74-120	
2-Butanone (MEK)	ug/L	100	99.9	100	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	59-131	N2
Acetone	ug/L	100	103	103	38-134	N2
Benzene	ug/L	20	19.8	99	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.4	102	68-125	
Bromoform	ug/L	20	21.5	108	65-127	
Bromomethane	ug/L	20	26.0	130	13-157	
Carbon tetrachloride	ug/L	20	19.6	98	70-131	
Chloroethane	ug/L	20	22.1	110	47-133	
Chloroform	ug/L	20	19.5	98	65-127	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	68-127	N2
Ethylbenzene	ug/L	20	20.1	101	74-122	
Methylene chloride	ug/L	20	19.1	96	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	19.5	97	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	66-129	
Trichloroethene	ug/L	20	19.2	96	71-123	
Vinyl chloride	ug/L	20	24.3	121	43-129	
Xylene (Total)	ug/L	60	62.5	104	75-121	N2
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE SAMPLE: 1456629

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	4000	5230	131	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	4000	5290	132	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	4000	5140	129	52-143	
1,2-Dichloroethane	ug/L	ND	4000	4860	121	49-144	
1,4-Dichlorobenzene	ug/L	ND	4000	4990	123	33-140	
2-Butanone (MEK)	ug/L	15400	20000	35800	102	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20000	22600	112	40-160	N2
Acetone	ug/L	44300	20000	59100	74	10-160	N2
Benzene	ug/L	ND	4000	5130	126	37-151	
Bromodichloromethane	ug/L	ND	4000	5000	125	35-142	
Bromoform	ug/L	ND	4000	5310	133	45-142	
Bromomethane	ug/L	ND	4000	5780	145	10-158	
Carbon tetrachloride	ug/L	ND	4000	5530	138	70-140	
Chloroethane	ug/L	ND	4000	5070	127	19-152	
Chloroform	ug/L	ND	4000	4790	120	51-138	
cis-1,2-Dichloroethene	ug/L	ND	4000	4810	120	34-147	N2
Ethylbenzene	ug/L	ND	4000	5280	132	40-142	
Methylene chloride	ug/L	ND	4000	4710	116	31-144	
Tetrachloroethene	ug/L	ND	4000	5500	138	64-148	
Toluene	ug/L	ND	4000	5060	123	47-150	
trans-1,2-Dichloroethene	ug/L	ND	4000	5120	128	54-151	
Trichloroethene	ug/L	ND	4000	4980	124	71-149	
Vinyl chloride	ug/L	ND	4000	5660	142	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

MATRIX SPIKE SAMPLE:		1456629		60179403001		Spike		MS		MS		% Rec		Qualifiers	
Parameter	Units	Result	Conc.	Result	% Rec	Result	% Rec	Limits							
Xylene (Total)	ug/L	ND	12000	15800	132			37-144	N2						
1,2-Dichloroethane-d4 (S)	%				94			80-120							
4-Bromofluorobenzene (S)	%				102			80-120							
Toluene-d8 (S)	%				97			80-120							
Preservation pH		6.0		6.0											

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch: OEXT/46555 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60179699001

METHOD BLANK: 1456362 Matrix: Water

Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/10/14 09:24	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/10/14 09:24	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/10/14 09:24	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/10/14 09:24	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/10/14 09:24	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/10/14 09:24	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/10/14 09:24	
Hexachloroethane	ug/L	ND	5.0	10/10/14 09:24	
Naphthalene	ug/L	ND	5.0	10/10/14 09:24	
Nitrobenzene	ug/L	ND	5.0	10/10/14 09:24	
Pentachlorophenol	ug/L	ND	5.0	10/10/14 09:24	
Phenol	ug/L	ND	5.0	10/10/14 09:24	
2,4,6-Tribromophenol (S)	%	81	39-120	10/10/14 09:24	
2-Fluorobiphenyl (S)	%	81	39-120	10/10/14 09:24	
2-Fluorophenol (S)	%	42	17-120	10/10/14 09:24	
Nitrobenzene-d5 (S)	%	78	33-120	10/10/14 09:24	
Phenol-d6 (S)	%	27	11-120	10/10/14 09:24	
Terphenyl-d14 (S)	%	86	45-120	10/10/14 09:24	

LABORATORY CONTROL SAMPLE: 1456363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	46-120	
2,4,6-Trichlorophenol	ug/L	50	47.9	96	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	37.3	75	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.5	65	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	52.6	105	40-133	
Hexachloro-1,3-butadiene	ug/L	50	42.8	86	44-116	
Hexachlorocyclopentadiene	ug/L	100	44.7	45	24-120	
Hexachloroethane	ug/L	50	42.5	85	43-113	
Naphthalene	ug/L	50	45.0	90	48-120	
Nitrobenzene	ug/L	50	46.7	93	48-120	
Pentachlorophenol	ug/L	50	51.6	103	47-120	
Phenol	ug/L	50	16.6	33	16-112	
2,4,6-Tribromophenol (S)	%			97	39-120	
2-Fluorobiphenyl (S)	%			94	39-120	
2-Fluorophenol (S)	%			48	17-120	
Nitrobenzene-d5 (S)	%			95	33-120	
Phenol-d6 (S)	%			31	11-120	
Terphenyl-d14 (S)	%			100	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

MATRIX SPIKE SAMPLE:		1456364					
Parameter	Units	60179421001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	39.8	80	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	44.1	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.8	64	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	28.7	57	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	47.6	95	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	39.7	79	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	42.7	43	11-120	
Hexachloroethane	ug/L	ND	50	40.0	80	40-113	
Naphthalene	ug/L	ND	50	41.4	83	45-120	
Nitrobenzene	ug/L	ND	50	42.2	84	38-120	
Pentachlorophenol	ug/L	ND	50	47.0	94	43-135	
Phenol	ug/L	ND	50	14.1	28	13-112	
2,4,6-Tribromophenol (S)	%				89	39-120	
2-Fluorobiphenyl (S)	%				87	39-120	
2-Fluorophenol (S)	%				40	17-120	
Nitrobenzene-d5 (S)	%				85	33-120	
Phenol-d6 (S)	%				27	11-120	
Terphenyl-d14 (S)	%				90	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch:	WET/50818	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60179699001		

METHOD BLANK: 1457692 Matrix: Water

Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/10/14 14:47	

LABORATORY CONTROL SAMPLE: 1457693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.6	99	78-114	

MATRIX SPIKE SAMPLE: 1457694

Parameter	Units	60179439001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	220	44.4	477	577	78-114	M1

SAMPLE DUPLICATE: 1457695

Parameter	Units	60179374001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	4.8J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch:	WET/50819	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60179699001		

METHOD BLANK: 1457696 Matrix: Water
Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/10/14 14:53	

LABORATORY CONTROL SAMPLE: 1457697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	19.0	95	64-132	

MATRIX SPIKE SAMPLE: 1457698

Parameter	Units	60179439001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	11.1	22.2	13.9	13	64-132	M1

SAMPLE DUPLICATE: 1457699

Parameter	Units	60179374001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	2.8J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch:	WET/51110	Analysis Method:	SM 2540B
QC Batch Method:	SM 2540B	Analysis Description:	2540B Total Solids
Associated Lab Samples:	60179699001		

METHOD BLANK: 1466539 Matrix: Water

Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	mg/L	ND	5.0	10/27/14 08:14	

LABORATORY CONTROL SAMPLE: 1466540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	mg/L	1000	838	84	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch: WET/50809

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60179699001

METHOD BLANK: 1457231

Matrix: Water

Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/10/14 08:49	

SAMPLE DUPLICATE: 1457232

Parameter	Units	1239618002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	8.0	9.0	12	10	D6

SAMPLE DUPLICATE: 1457233

Parameter	Units	60179644001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	12.0	11.0	9	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch: WET/51109

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60179699001

METHOD BLANK: 1466532

Matrix: Water

Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/24/14 12:56	

SAMPLE DUPLICATE: 1466533

Parameter	Units	60179699001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	7400	7040	5	10	H1

SAMPLE DUPLICATE: 1466534

Parameter	Units	60180912002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch: WET/50756 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60179699001

SAMPLE DUPLICATE: 1456046

Parameter	Units	60179118001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.1	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch: WET/50741

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60179699001

METHOD BLANK: 1455765

Matrix: Water

Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/13/14 08:51	

LABORATORY CONTROL SAMPLE: 1455766

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	198	100	85-115	

SAMPLE DUPLICATE: 1455767

Parameter	Units	60179593002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	ND	ND		17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch:	WETA/31313	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60179699001		

METHOD BLANK: 1458950 Matrix: Water
Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/13/14 12:40	

LABORATORY CONTROL SAMPLE: 1458951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 1458952

Parameter	Units	60179847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.3	2	5.8	74	90-110	M1

SAMPLE DUPLICATE: 1458953

Parameter	Units	60178889001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.042J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

QC Batch:	WETA/31293	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60179699001		

METHOD BLANK: 1457299 Matrix: Water
Associated Lab Samples: 60179699001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/14/14 06:53	

LABORATORY CONTROL SAMPLE: 1457300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.7	103	90-110	

MATRIX SPIKE SAMPLE: 1457301

Parameter	Units	60179615001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	373	150	494	80	90-110	M1

MATRIX SPIKE SAMPLE: 1457303

Parameter	Units	60179727002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	2360	1250	3800	115	90-110	M1

SAMPLE DUPLICATE: 1457302

Parameter	Units	60179710001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	19600	19500	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|---|
| 1e | Re-run per request |
| D6 | The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits. |
| H1 | Analysis conducted outside the EPA method holding time. |
| H3 | Sample was received or analysis requested beyond the recognized method holding time. |
| H6 | Analysis initiated outside of the 15 minute EPA recommended holding time. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |
| N2 | The lab does not hold TNI accreditation for this parameter. |
| R1 | RPD value was outside control limits. |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-028

Pace Project No.: 60179699

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179699001	T1-028	EPA 200.7	MPRP/29233	EPA 200.7	ICP/21989
60179699001	T1-028	EPA 200.7	MPRP/29228	EPA 200.7	ICP/21984
60179699001	T1-028	EPA 245.1	MERP/8888	EPA 245.1	MERC/8844
60179699001	T1-028	EPA 245.1	MERP/8884	EPA 245.1	MERC/8839
60179699001	T1-028	EPA 625	OEXT/46555	EPA 625	MSSV/14962
60179699001	T1-028	EPA 624 Low	MSV/64947		
60179699002	TRIP BLANK	EPA 624 Low	MSV/64947		
60179699001	T1-028	EPA 1664A	WET/50818		
60179699001	T1-028	EPA 1664A	WET/50819		
60179699001	T1-028	SM 2540B	WET/51110		
60179699001	T1-028	SM 2540D	WET/50809		
60179699001	T1-028	SM 2540D	WET/51109		
60179699001	T1-028	SM 4500-H+B	WET/50756		
60179699001	T1-028	SM 5210B	WET/50741	SM 5210B	WET/50851
60179699001	T1-028	EPA 350.1	WETA/31313		
60179699001	T1-028	EPA 410.4	WETA/31293		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60179699



Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other Crossroads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 2.4

Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: CW 11/18/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>pH BOD</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>BP35</u> initial pH <u>6.0</u> added <u>1.0</u> ml <u>H2SO4</u> final pH <u>2.0</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>BP35</u> initial pH <u>6.0</u> added <u>2.5</u> ml <u>HNO3</u> final pH <u>3.6</u>
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>CW</u> Lot # of added preservative <u>12513-37-10 12382-12-8</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): <u>Covered</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State <u>ND</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: [Signature]



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/06/14 15:06
Report Date: 10/07/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4100872-01**
Sample Description: **TK-2**

Collect Date: **10/06/14 07:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.039 mg/L		10/07/14 12:16	WPS	200.7 04KS
Zinc	0.085 mg/L		10/07/14 12:16	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.96 mg/L		10/07/14 12:18	WPS	200.7 04KS
Zinc	7.4 mg/L		10/07/14 12:18	WPS	200.7 04KS

Sample No: **4100872-02**
Sample Description: **TK-3**

Collect Date: **10/06/14 07:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.028 mg/L		10/07/14 12:20	WPS	200.7 04KS
Zinc	0.093 mg/L		10/07/14 12:20	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.97 mg/L		10/07/14 12:22	WPS	200.7 04KS
Zinc	7.5 mg/L		10/07/14 12:22	WPS	200.7 04KS

Sample No: **4100872-03**
Sample Description: **TK-4**

Collect Date: **10/06/14 07:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.082 mg/L		10/07/14 12:24	WPS	200.7 04KS
Zinc	< 0.050 mg/L		10/07/14 12:24	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	1.0 mg/L		10/07/14 12:26	WPS	200.7 04KS
Zinc	7.7 mg/L		10/07/14 12:26	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/06/14 15:06
Report Date: 10/07/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4100872-04**
Sample Description: **Permeate**

Collect Date: **10/06/14 08:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Total Metals - STL</u>					
Arsenic	0.041 mg/L		10/07/14 12:28	WPS	200.7 04KS
Selenium	< 0.050 mg/L		10/07/14 12:28	WPS	200.7 04KS
Zinc	0.077 mg/L		10/07/14 12:28	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/06/14 15:06
Report Date: 10/07/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B416993 - 04 EPA 200.2 R2.8								
Blank (B416993-BLK1)			Prepared: 10/06/14 Analyzed: 10/07/14					
Arsenic	< 0.010	mg/L						
Selenium	< 0.020	mg/L						
Zinc	< 0.020	mg/L						
LCS (B416993-BS1)			Prepared: 10/06/14 Analyzed: 10/07/14					
Arsenic	0.194	mg/L	0.2000		97	85-115		
Selenium	0.201	mg/L	0.2000		101	85-115		
Zinc	0.206	mg/L	0.2000		103	85-115		
Matrix Spike (B416993-MS1)			Source: 4100872-04			Prepared: 10/06/14 Analyzed: 10/07/14		
Arsenic	0.648	mg/L	0.5000	0.0409	121	70-130		
Selenium	0.589	mg/L	0.5000	ND	118	70-130		
Zinc	0.657	mg/L	0.5000	0.0765	116	70-130		
Matrix Spike Dup (B416993-MSD1)			Source: 4100872-04			Prepared: 10/06/14 Analyzed: 10/07/14		
Arsenic	0.628	mg/L	0.5000	0.0409	118	70-130	3	20
Selenium	0.591	mg/L	0.5000	ND	118	70-130	0.3	20
Zinc	0.639	mg/L	0.5000	0.0765	112	70-130	3	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B416993 - 04 EPA 200.2 R2.8								
Blank (B416993-BLK1)			Prepared: 10/06/14 Analyzed: 10/07/14					
Arsenic	< 0.010	mg/L						
Zinc	< 0.020	mg/L						
LCS (B416993-BS1)			Prepared: 10/06/14 Analyzed: 10/07/14					
Arsenic	0.194	mg/L	0.2000		97	85-115		
Zinc	0.206	mg/L	0.2000		103	85-115		



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/06/14 15:06
Report Date: 10/07/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications; Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
TNI Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS Lab No. E-10389
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 171050
Drinking Water Certifications: Missouri (1050)
Missouri Department of Natural Resources

Certified by: Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
3278 N. Highway 67 (Lindbergh)
Florissant, MO 63033
 www.pdclab.com

CHAIN OF CUSTODY RECORD
 Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected _____

(Instructions/Sample Acceptance Policy on Reverse)

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT BLF		PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED	3 ANALYSIS REQUESTED					4 (FOR LAB USE ONLY)	
ADDRESS		PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS	Total Zinc.	Diss Zinc	Total Arsenic	Diss Arsenic	Selenium	LOGIN # 4100872	REMARKS
CITY STATE ZIP	SAMPLER	MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID L'CHT-LEACHATE NAL-NON-AQUEOUS SOIL-SOILS								LOGGED BY: HE	LAB PROJ. #
CONTACT PERSON	SAMPLER'S SIGNATURE									TEMPLATE:	PROJ. MGR.:
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	MATRIX COMP	Bottle Count					
TK-2		10-6-2014	7:30	X		2	X	X	X	X	
TK-3		10-6-2014	7:30	X		2	X	X	X	X	
TK-4		10-6-2014	7:30	X		2	X	X	X	X	
PERMEATE		10-6-2014	8:00	λ		1	X	X		X	
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)					6 The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.						
NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) <i>Fastrak™</i> (3 Bus. Days) 1-2 Bus. Days Same Day											
DATE DUE _____											
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE											
7 RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:	DATE	TIME	8 COMMENTS: (FOR LAB USE ONLY)				
<i>[Signature]</i>		10-6-14	14:05	<i>[Signature]</i>	10/6/14	14:05	SAMPLE TEMPERATURE UPON RECEIPT CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE				
<i>[Signature]</i>		10/6/14	14:48	<i>[Signature]</i>	10/6/14	14:48					
<i>[Signature]</i>											
<i>[Signature]</i>											

October 28, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101


RE: Project: BRIDGETON LF T1-029
Pace Project No.: 60179710

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179710001	T1-029	Water	10/07/14 10:13	10/08/14 03:00
60179710002	TRIP BLANK	Water	10/07/14 10:13	10/08/14 03:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60179710001	T1-029	EPA 200.7	JGP	15
		EPA 200.7	JGP	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540B	MER	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
60179710002	TRIP BLANK	EPA 624 Low	EAK	28

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

Date: October 28, 2014

Amended report revised 10/28/14 to include Percent Total Solids and a secondary analysis for Total Suspended Solids.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

Sample: T1-029		Lab ID: 60179710001	Collected: 10/07/14 10:13	Received: 10/08/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	8080	ug/L	375	1	10/09/14 09:15	10/09/14 13:59	7429-90-5	
Antimony	ND	ug/L	50.0	1	10/09/14 09:15	10/09/14 13:59	7440-36-0	
Arsenic	540	ug/L	50.0	1	10/09/14 09:15	10/09/14 13:59	7440-38-2	
Beryllium	ND	ug/L	5.0	1	10/09/14 09:15	10/09/14 13:59	7440-41-7	
Cadmium	ND	ug/L	25.0	1	10/09/14 09:15	10/09/14 13:59	7440-43-9	
Chromium	191	ug/L	25.0	1	10/09/14 09:15	10/09/14 13:59	7440-47-3	
Cobalt	28.3	ug/L	25.0	1	10/09/14 09:15	10/09/14 13:59	7440-48-4	
Copper	ND	ug/L	50.0	1	10/09/14 09:15	10/09/14 13:59	7440-50-8	
Iron	536000	ug/L	250	1	10/09/14 09:15	10/09/14 13:59	7439-89-6	M1
Lead	110	ug/L	25.0	1	10/09/14 09:15	10/09/14 13:59	7439-92-1	
Nickel	88.3	ug/L	25.0	1	10/09/14 09:15	10/09/14 13:59	7440-02-0	
Silver	ND	ug/L	35.0	1	10/09/14 09:15	10/09/14 13:59	7440-22-4	
Zinc	5610	ug/L	250	1	10/09/14 09:15	10/09/14 13:59	7440-66-6	
Thallium	ND	ug/L	100	1	10/09/14 09:15	10/09/14 13:59	7440-28-0	
Selenium	ND	ug/L	75.0	1	10/09/14 09:15	10/09/14 13:59	7782-49-2	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND	ug/L	375	1	10/08/14 14:15	10/09/14 10:27	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	10/08/14 14:15	10/09/14 10:27	7440-36-0	
Arsenic, Dissolved	195	ug/L	50.0	1	10/08/14 14:15	10/09/14 10:27	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	10/08/14 14:15	10/09/14 10:27	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	10/08/14 14:15	10/09/14 10:27	7440-43-9	
Chromium, Dissolved	46.9	ug/L	25.0	1	10/08/14 14:15	10/09/14 10:27	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	10/08/14 14:15	10/09/14 10:27	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	10/08/14 14:15	10/09/14 10:27	7440-50-8	
Iron, Dissolved	24300	ug/L	250	1	10/08/14 14:15	10/09/14 10:27	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	10/08/14 14:15	10/09/14 10:27	7439-92-1	
Nickel, Dissolved	43.7	ug/L	25.0	1	10/08/14 14:15	10/09/14 10:27	7440-02-0	
Silver, Dissolved	ND	ug/L	35.0	1	10/08/14 14:15	10/09/14 10:27	7440-22-4	
Zinc, Dissolved	ND	ug/L	250	1	10/08/14 14:15	10/09/14 10:27	7440-66-6	
Thallium, Dissolved	ND	ug/L	100	1	10/08/14 14:15	10/09/14 10:27	7440-28-0	
Selenium, Dissolved	ND	ug/L	75.0	1	10/08/14 14:15	10/09/14 10:27	7782-49-2	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	6.0	1	10/09/14 15:25	10/10/14 10:35	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	10/09/14 09:05	10/09/14 15:35	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	2500	1	10/09/14 00:00	10/12/14 17:25	534-52-1	
Hexachloro-1,3-butadiene	ND	ug/L	500	1	10/09/14 00:00	10/12/14 17:25	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	500	1	10/09/14 00:00	10/12/14 17:25	77-47-4	
Hexachloroethane	ND	ug/L	500	1	10/09/14 00:00	10/12/14 17:25	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1000	1	10/09/14 00:00	10/12/14 17:25	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2060	ug/L	2000	1	10/09/14 00:00	10/12/14 17:25		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

Sample: T1-029	Lab ID: 60179710001	Collected: 10/07/14 10:13	Received: 10/08/14 03:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/09/14 00:00	10/12/14 17:25	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/09/14 00:00	10/12/14 17:25	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/09/14 00:00	10/12/14 17:25	87-86-5	
Phenol	3040 ug/L		500	1	10/09/14 00:00	10/12/14 17:25	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/09/14 00:00	10/12/14 17:25	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/09/14 00:00	10/12/14 17:25	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	91 %		33-120	1	10/09/14 00:00	10/12/14 17:25	4165-60-0	
2-Fluorobiphenyl (S)	76 %		39-120	1	10/09/14 00:00	10/12/14 17:25	321-60-8	
Terphenyl-d14 (S)	83 %		45-120	1	10/09/14 00:00	10/12/14 17:25	1718-51-0	
Phenol-d6 (S)	27 %		11-120	1	10/09/14 00:00	10/12/14 17:25	13127-88-3	
2-Fluorophenol (S)	40 %		17-120	1	10/09/14 00:00	10/12/14 17:25	367-12-4	
2,4,6-Tribromophenol (S)	75 %		39-120	1	10/09/14 00:00	10/12/14 17:25	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	76500 ug/L		1000	100		10/09/14 19:42	67-64-1	N2
Benzene	ND ug/L		100	100		10/09/14 19:42	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/09/14 19:42	75-27-4	
Bromoform	ND ug/L		100	100		10/09/14 19:42	75-25-2	
Bromomethane	ND ug/L		500	100		10/09/14 19:42	74-83-9	
2-Butanone (MEK)	27700 ug/L		1000	100		10/09/14 19:42	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/09/14 19:42	56-23-5	
Chloroethane	ND ug/L		100	100		10/09/14 19:42	75-00-3	
Chloroform	ND ug/L		100	100		10/09/14 19:42	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/09/14 19:42	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/09/14 19:42	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/09/14 19:42	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/09/14 19:42	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/09/14 19:42	100-41-4	
Methylene chloride	ND ug/L		100	100		10/09/14 19:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/09/14 19:42	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/09/14 19:42	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/09/14 19:42	127-18-4	
Toluene	ND ug/L		100	100		10/09/14 19:42	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/09/14 19:42	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/09/14 19:42	79-00-5	
Trichloroethene	ND ug/L		100	100		10/09/14 19:42	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/09/14 19:42	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/09/14 19:42	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	102 %		80-120	100		10/09/14 19:42	460-00-4	
Toluene-d8 (S)	101 %		80-120	100		10/09/14 19:42	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	100		10/09/14 19:42	17060-07-0	
Preservation pH	6.0		1.0	100		10/09/14 19:42		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	86.0 mg/L		5.0	1		10/10/14 14:49		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

Sample: T1-029		Lab ID: 60179710001	Collected: 10/07/14 10:13	Received: 10/08/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	7.2	mg/L	5.0	1		10/10/14 14:54		
2540B Total Solids	Analytical Method: SM 2540B							
Total Solids	23500	mg/L	5.0	1		10/27/14 08:16		H1
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	12700	mg/L	5.0	1		10/13/14 08:53		
Total Suspended Solids	6780	mg/L	5.0	1		10/24/14 12:56		1e,H3
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.3	Std. Units	0.10	1		10/08/14 13:15		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	8260	mg/L	2.0	1	10/09/14 09:40	10/14/14 09:51		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	174	mg/L	10.0	100		10/13/14 12:47	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	19600	mg/L	2500	250		10/14/14 06:55		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

Sample: TRIP BLANK		Lab ID: 60179710002	Collected: 10/07/14 10:13	Received: 10/08/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/09/14 21:21	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/09/14 21:21	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/09/14 21:21	75-27-4	
Bromoform	ND ug/L		1.0	1		10/09/14 21:21	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/09/14 21:21	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/09/14 21:21	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/09/14 21:21	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/09/14 21:21	75-00-3	
Chloroform	ND ug/L		1.0	1		10/09/14 21:21	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/09/14 21:21	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/09/14 21:21	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 21:21	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 21:21	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/09/14 21:21	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/09/14 21:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/09/14 21:21	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/09/14 21:21	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/09/14 21:21	127-18-4	
Toluene	ND ug/L		1.0	1		10/09/14 21:21	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/09/14 21:21	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/09/14 21:21	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/09/14 21:21	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/09/14 21:21	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/09/14 21:21	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	99 %		80-120	1		10/09/14 21:21	460-00-4	
Toluene-d8 (S)	100 %		80-120	1		10/09/14 21:21	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	1		10/09/14 21:21	17060-07-0	
Preservation pH	6.0		1.0	1		10/09/14 21:21		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029
Pace Project No.: 60179710

QC Batch: MERP/8888 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 60179710001

METHOD BLANK: 1456653 Matrix: Water
Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/10/14 10:24	

LABORATORY CONTROL SAMPLE: 1456654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1456655 1456656

Parameter	Units	60179699001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	150	150	89.7	91.8	57	59	70-130	2	20	M1

MATRIX SPIKE SAMPLE: 1456657

Parameter	Units	60179809001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	95.4	60	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch: MERP/8884 Analysis Method: EPA 245.1
 QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury - Dissolved
 Associated Lab Samples: 60179710001

METHOD BLANK: 1455996 Matrix: Water
 Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/09/14 15:09	

LABORATORY CONTROL SAMPLE: 1455997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1455998 1455999

Parameter	Units	60179262001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	150	150	97.2	86.7	65	58	70-130	11	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029
Pace Project No.: 60179710

QC Batch: MPRP/29233 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 60179710001

METHOD BLANK: 1456514 Matrix: Water
Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/09/14 13:38	
Antimony	ug/L	ND	10.0	10/09/14 13:38	
Arsenic	ug/L	ND	10.0	10/09/14 13:38	
Beryllium	ug/L	ND	1.0	10/09/14 13:38	
Cadmium	ug/L	ND	5.0	10/09/14 13:38	
Chromium	ug/L	ND	5.0	10/09/14 13:38	
Cobalt	ug/L	ND	5.0	10/09/14 13:38	
Copper	ug/L	ND	10.0	10/09/14 13:38	
Iron	ug/L	ND	50.0	10/09/14 13:38	
Lead	ug/L	ND	5.0	10/09/14 13:38	
Nickel	ug/L	ND	5.0	10/09/14 13:38	
Selenium	ug/L	ND	15.0	10/09/14 13:38	
Silver	ug/L	ND	7.0	10/09/14 13:38	
Thallium	ug/L	ND	20.0	10/09/14 13:38	
Zinc	ug/L	ND	50.0	10/09/14 13:38	

LABORATORY CONTROL SAMPLE: 1456515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9720	97	85-115	
Antimony	ug/L	1000	968	97	85-115	
Arsenic	ug/L	1000	933	93	85-115	
Beryllium	ug/L	1000	958	96	85-115	
Cadmium	ug/L	1000	960	96	85-115	
Chromium	ug/L	1000	978	98	85-115	
Cobalt	ug/L	1000	986	99	85-115	
Copper	ug/L	1000	941	94	85-115	
Iron	ug/L	10000	9600	96	85-115	
Lead	ug/L	1000	989	99	85-115	
Nickel	ug/L	1000	991	99	85-115	
Selenium	ug/L	1000	948	95	85-115	
Silver	ug/L	500	472	94	85-115	
Thallium	ug/L	1000	980	98	85-115	
Zinc	ug/L	1000	968	97	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1456516												1456517											
Parameter	Units	60179699001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual											
			Spike Conc.	Spike Conc.																			
Aluminum	ug/L	7840	50000	50000	61900	64000	108	112	70-130	3	8												
Antimony	ug/L	ND	5000	5000	5160	5100	103	101	70-130	1	7												
Arsenic	ug/L	489	5000	5000	5760	5780	106	106	70-130	0	10												
Beryllium	ug/L	ND	5000	5000	4890	5140	98	103	70-130	5	7												
Cadmium	ug/L	ND	5000	5000	5160	5260	103	105	70-130	2	10												
Chromium	ug/L	165	5000	5000	5000	5500	97	107	70-130	10	10												
Cobalt	ug/L	26.8	5000	5000	4840	5040	96	100	70-130	4	6												
Copper	ug/L	ND	5000	5000	5170	5180	103	103	70-130	0	11												
Iron	ug/L	466000	50000	50000	554000	552000	177	172	70-130	0	10	M1											
Lead	ug/L	100	5000	5000	4700	5000	92	98	70-130	6	10												
Nickel	ug/L	82.4	5000	5000	4870	5100	96	100	70-130	5	10												
Selenium	ug/L	ND	5000	5000	5380	5340	107	107	70-130	1	10												
Silver	ug/L	ND	2500	2500	2610	2740	104	109	70-130	5	10												
Thallium	ug/L	ND	5000	5000	4260	4480	85	89	70-130	5	6												
Zinc	ug/L	4680	5000	5000	9600	10200	98	111	70-130	6	11												

MATRIX SPIKE SAMPLE: 1456518											
Parameter	Units	60179710001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	8080	50000
Antimony	ug/L	ND	5000	5120	102	70-130					
Arsenic	ug/L	540	5000	5730	104	70-130					
Beryllium	ug/L	ND	5000	5160	103	70-130					
Cadmium	ug/L	ND	5000	5260	105	70-130					
Chromium	ug/L	191	5000	5540	107	70-130					
Cobalt	ug/L	28.3	5000	5080	101	70-130					
Copper	ug/L	ND	5000	5190	103	70-130					
Iron	ug/L	536000	50000	516000	-38	70-130	M1				
Lead	ug/L	110	5000	5070	99	70-130					
Nickel	ug/L	88.3	5000	5120	101	70-130					
Selenium	ug/L	ND	5000	5340	107	70-130					
Silver	ug/L	ND	2500	2740	109	70-130					
Thallium	ug/L	ND	5000	4560	91	70-130					
Zinc	ug/L	5610	5000	10000	88	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch: MPRP/29228

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60179710001

METHOD BLANK: 1455953

Matrix: Water

Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/09/14 09:56	
Antimony, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Arsenic, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Beryllium, Dissolved	ug/L	ND	1.0	10/09/14 09:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Chromium, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Cobalt, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Copper, Dissolved	ug/L	ND	10.0	10/09/14 09:56	
Iron, Dissolved	ug/L	ND	50.0	10/09/14 09:56	
Lead, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Nickel, Dissolved	ug/L	ND	5.0	10/09/14 09:56	
Selenium, Dissolved	ug/L	ND	15.0	10/09/14 09:56	
Silver, Dissolved	ug/L	ND	7.0	10/09/14 09:56	
Thallium, Dissolved	ug/L	ND	20.0	10/09/14 09:56	
Zinc, Dissolved	ug/L	ND	50.0	10/09/14 09:56	

LABORATORY CONTROL SAMPLE: 1455954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10500	105	85-115	
Antimony, Dissolved	ug/L	1000	1030	103	85-115	
Arsenic, Dissolved	ug/L	1000	998	100	85-115	
Beryllium, Dissolved	ug/L	1000	1040	104	85-115	
Cadmium, Dissolved	ug/L	1000	1010	101	85-115	
Chromium, Dissolved	ug/L	1000	1030	103	85-115	
Cobalt, Dissolved	ug/L	1000	975	98	85-115	
Copper, Dissolved	ug/L	1000	1030	103	85-115	
Iron, Dissolved	ug/L	10000	9900	99	85-115	
Lead, Dissolved	ug/L	1000	976	98	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	959	96	85-115	
Silver, Dissolved	ug/L	500	480	96	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	970	97	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

Parameter	Units	1455955		1455956		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		60179403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Aluminum, Dissolved	ug/L	ND	50000	50000	52800	52200	105	104	70-130	1	8		
Antimony, Dissolved	ug/L	ND	5000	5000	5300	5240	106	105	70-130	1	7		
Arsenic, Dissolved	ug/L	205	5000	5000	5470	5310	105	102	70-130	3	10		
Beryllium, Dissolved	ug/L	ND	5000	5000	5140	5120	103	102	70-130	0	7		
Cadmium, Dissolved	ug/L	ND	5000	5000	5160	5100	103	102	70-130	1	10		
Chromium, Dissolved	ug/L	51.7	5000	5000	5120	5060	101	100	70-130	1	10		
Cobalt, Dissolved	ug/L	ND	5000	5000	4660	4660	93	93	70-130	0	6		
Copper, Dissolved	ug/L	ND	5000	5000	5260	5210	105	104	70-130	1	11		
Iron, Dissolved	ug/L	40500	50000	50000	96400	79300	112	78	70-130	19	10	R1	
Lead, Dissolved	ug/L	ND	5000	5000	4610	4630	92	92	70-130	0	10		
Nickel, Dissolved	ug/L	37.4	5000	5000	4930	4920	98	98	70-130	0	10		
Selenium, Dissolved	ug/L	ND	5000	5000	5140	5040	103	101	70-130	2	10		
Silver, Dissolved	ug/L	ND	2500	2500	2490	2440	99	98	70-130	2	10		
Thallium, Dissolved	ug/L	ND	5000	5000	4720	4800	94	96	70-130	2	6		
Zinc, Dissolved	ug/L	293	5000	5000	5000	4880	94	92	70-130	2	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch: MSV/64947 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60179710001, 60179710002

METHOD BLANK: 1456627 Matrix: Water

Associated Lab Samples: 60179710001, 60179710002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/09/14 17:06	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,2-Dichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/09/14 17:06	
2-Butanone (MEK)	ug/L	ND	10.0	10/09/14 17:06	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/09/14 17:06	N2
Acetone	ug/L	ND	10.0	10/09/14 17:06	N2
Benzene	ug/L	ND	1.0	10/09/14 17:06	
Bromodichloromethane	ug/L	ND	1.0	10/09/14 17:06	
Bromoform	ug/L	ND	1.0	10/09/14 17:06	
Bromomethane	ug/L	ND	5.0	10/09/14 17:06	
Carbon tetrachloride	ug/L	ND	1.0	10/09/14 17:06	
Chloroethane	ug/L	ND	1.0	10/09/14 17:06	
Chloroform	ug/L	ND	1.0	10/09/14 17:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	N2
Ethylbenzene	ug/L	ND	1.0	10/09/14 17:06	
Methylene chloride	ug/L	ND	1.0	10/09/14 17:06	
Tetrachloroethene	ug/L	ND	1.0	10/09/14 17:06	
Toluene	ug/L	ND	1.0	10/09/14 17:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Trichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Vinyl chloride	ug/L	ND	1.0	10/09/14 17:06	
Xylene (Total)	ug/L	ND	3.0	10/09/14 17:06	N2
1,2-Dichloroethane-d4 (S)	%	102	80-120	10/09/14 17:06	
4-Bromofluorobenzene (S)	%	106	80-120	10/09/14 17:06	
Toluene-d8 (S)	%	98	80-120	10/09/14 17:06	

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	98	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.6	103	67-124	
1,2-Dichloroethane	ug/L	20	20.8	104	70-126	
1,4-Dichlorobenzene	ug/L	20	19.7	98	74-120	
2-Butanone (MEK)	ug/L	100	99.9	100	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	59-131	N2
Acetone	ug/L	100	103	103	38-134	N2
Benzene	ug/L	20	19.8	99	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.4	102	68-125	
Bromoform	ug/L	20	21.5	108	65-127	
Bromomethane	ug/L	20	26.0	130	13-157	
Carbon tetrachloride	ug/L	20	19.6	98	70-131	
Chloroethane	ug/L	20	22.1	110	47-133	
Chloroform	ug/L	20	19.5	98	65-127	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	68-127	N2
Ethylbenzene	ug/L	20	20.1	101	74-122	
Methylene chloride	ug/L	20	19.1	96	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	19.5	97	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	66-129	
Trichloroethene	ug/L	20	19.2	96	71-123	
Vinyl chloride	ug/L	20	24.3	121	43-129	
Xylene (Total)	ug/L	60	62.5	104	75-121	N2
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE SAMPLE: 1456629

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	4000	5230	131	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	4000	5290	132	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	4000	5140	129	52-143	
1,2-Dichloroethane	ug/L	ND	4000	4860	121	49-144	
1,4-Dichlorobenzene	ug/L	ND	4000	4990	123	33-140	
2-Butanone (MEK)	ug/L	15400	20000	35800	102	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20000	22600	112	40-160	N2
Acetone	ug/L	44300	20000	59100	74	10-160	N2
Benzene	ug/L	ND	4000	5130	126	37-151	
Bromodichloromethane	ug/L	ND	4000	5000	125	35-142	
Bromoform	ug/L	ND	4000	5310	133	45-142	
Bromomethane	ug/L	ND	4000	5780	145	10-158	
Carbon tetrachloride	ug/L	ND	4000	5530	138	70-140	
Chloroethane	ug/L	ND	4000	5070	127	19-152	
Chloroform	ug/L	ND	4000	4790	120	51-138	
cis-1,2-Dichloroethene	ug/L	ND	4000	4810	120	34-147	N2
Ethylbenzene	ug/L	ND	4000	5280	132	40-142	
Methylene chloride	ug/L	ND	4000	4710	116	31-144	
Tetrachloroethene	ug/L	ND	4000	5500	138	64-148	
Toluene	ug/L	ND	4000	5060	123	47-150	
trans-1,2-Dichloroethene	ug/L	ND	4000	5120	128	54-151	
Trichloroethene	ug/L	ND	4000	4980	124	71-149	
Vinyl chloride	ug/L	ND	4000	5660	142	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

MATRIX SPIKE SAMPLE:		1456629		60179403001		Spike		MS		MS		% Rec		Qualifiers	
Parameter	Units	Result	Conc.	Result	% Rec	Result	% Rec	Limits							
Xylene (Total)	ug/L	ND	12000	15800	132			37-144	N2						
1,2-Dichloroethane-d4 (S)	%				94			80-120							
4-Bromofluorobenzene (S)	%				102			80-120							
Toluene-d8 (S)	%				97			80-120							
Preservation pH		6.0		6.0											

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029
Pace Project No.: 60179710

QC Batch: OEXT/46555 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 60179710001

METHOD BLANK: 1456362 Matrix: Water
Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/10/14 09:24	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/10/14 09:24	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/10/14 09:24	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/10/14 09:24	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/10/14 09:24	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/10/14 09:24	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/10/14 09:24	
Hexachloroethane	ug/L	ND	5.0	10/10/14 09:24	
Naphthalene	ug/L	ND	5.0	10/10/14 09:24	
Nitrobenzene	ug/L	ND	5.0	10/10/14 09:24	
Pentachlorophenol	ug/L	ND	5.0	10/10/14 09:24	
Phenol	ug/L	ND	5.0	10/10/14 09:24	
2,4,6-Tribromophenol (S)	%	81	39-120	10/10/14 09:24	
2-Fluorobiphenyl (S)	%	81	39-120	10/10/14 09:24	
2-Fluorophenol (S)	%	42	17-120	10/10/14 09:24	
Nitrobenzene-d5 (S)	%	78	33-120	10/10/14 09:24	
Phenol-d6 (S)	%	27	11-120	10/10/14 09:24	
Terphenyl-d14 (S)	%	86	45-120	10/10/14 09:24	

LABORATORY CONTROL SAMPLE: 1456363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	46-120	
2,4,6-Trichlorophenol	ug/L	50	47.9	96	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	37.3	75	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.5	65	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	52.6	105	40-133	
Hexachloro-1,3-butadiene	ug/L	50	42.8	86	44-116	
Hexachlorocyclopentadiene	ug/L	100	44.7	45	24-120	
Hexachloroethane	ug/L	50	42.5	85	43-113	
Naphthalene	ug/L	50	45.0	90	48-120	
Nitrobenzene	ug/L	50	46.7	93	48-120	
Pentachlorophenol	ug/L	50	51.6	103	47-120	
Phenol	ug/L	50	16.6	33	16-112	
2,4,6-Tribromophenol (S)	%			97	39-120	
2-Fluorobiphenyl (S)	%			94	39-120	
2-Fluorophenol (S)	%			48	17-120	
Nitrobenzene-d5 (S)	%			95	33-120	
Phenol-d6 (S)	%			31	11-120	
Terphenyl-d14 (S)	%			100	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

MATRIX SPIKE SAMPLE:		1456364		60179421001		Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Result	% Rec	Limits	Qualifiers	
1,2,4-Trichlorobenzene	ug/L	ND	50	39.8	80			44-120		
2,4,6-Trichlorophenol	ug/L	ND	50	44.1	88			50-120		
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.8	64			30-120	N2	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	28.7	57			27-120	N2	
4,6-Dinitro-2-methylphenol	ug/L	ND	50	47.6	95			10-160		
Hexachloro-1,3-butadiene	ug/L	ND	50	39.7	79			39-116		
Hexachlorocyclopentadiene	ug/L	ND	100	42.7	43			11-120		
Hexachloroethane	ug/L	ND	50	40.0	80			40-113		
Naphthalene	ug/L	ND	50	41.4	83			45-120		
Nitrobenzene	ug/L	ND	50	42.2	84			38-120		
Pentachlorophenol	ug/L	ND	50	47.0	94			43-135		
Phenol	ug/L	ND	50	14.1	28			13-112		
2,4,6-Tribromophenol (S)	%				89			39-120		
2-Fluorobiphenyl (S)	%				87			39-120		
2-Fluorophenol (S)	%				40			17-120		
Nitrobenzene-d5 (S)	%				85			33-120		
Phenol-d6 (S)	%				27			11-120		
Terphenyl-d14 (S)	%				90			45-120		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch:	WET/50818	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60179710001		

METHOD BLANK: 1457692 Matrix: Water

Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/10/14 14:47	

LABORATORY CONTROL SAMPLE: 1457693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.6	99	78-114	

MATRIX SPIKE SAMPLE: 1457694

Parameter	Units	60179439001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	220	44.4	477	577	78-114	M1

SAMPLE DUPLICATE: 1457695

Parameter	Units	60179374001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	4.8J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch:	WET/50819	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60179710001		

METHOD BLANK: 1457696 Matrix: Water

Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/10/14 14:53	

LABORATORY CONTROL SAMPLE: 1457697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	19.0	95	64-132	

MATRIX SPIKE SAMPLE: 1457698

Parameter	Units	60179439001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	11.1	22.2	13.9	13	64-132	M1

SAMPLE DUPLICATE: 1457699

Parameter	Units	60179374001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	2.8J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch:	WET/51110	Analysis Method:	SM 2540B
QC Batch Method:	SM 2540B	Analysis Description:	2540B Total Solids
Associated Lab Samples:	60179710001		

METHOD BLANK: 1466539 Matrix: Water

Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	mg/L	ND	5.0	10/27/14 08:14	

LABORATORY CONTROL SAMPLE: 1466540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	mg/L	1000	838	84	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch:	WET/50846	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60179710001		

METHOD BLANK: 1458885 Matrix: Water

Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/13/14 08:52	

SAMPLE DUPLICATE: 1458886

Parameter	Units	60179950001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	7.0	9.0	25	10	D6

SAMPLE DUPLICATE: 1458887

Parameter	Units	60179714002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	372	388	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch:	WET/51109	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60179710001		

METHOD BLANK: 1466532 Matrix: Water

Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/24/14 12:56	

SAMPLE DUPLICATE: 1466533

Parameter	Units	60179699001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	7400	7040	5	10	H1

SAMPLE DUPLICATE: 1466534

Parameter	Units	60180912002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch: WET/50756 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60179710001

SAMPLE DUPLICATE: 1456046

Parameter	Units	60179118001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.1	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch: WET/50773

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60179710001

METHOD BLANK: 1456459

Matrix: Water

Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/14/14 08:52	

LABORATORY CONTROL SAMPLE: 1456460

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	197	99	85-115	

SAMPLE DUPLICATE: 1456461

Parameter	Units	60179719001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	9.7	9.6	0	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch:	WETA/31313	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60179710001		

METHOD BLANK: 1458950 Matrix: Water
Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/13/14 12:40	

LABORATORY CONTROL SAMPLE: 1458951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 1458952

Parameter	Units	60179847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.3	2	5.8	74	90-110	M1

SAMPLE DUPLICATE: 1458953

Parameter	Units	60178889001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.042J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

QC Batch:	WETA/31293	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60179710001		

METHOD BLANK: 1457299 Matrix: Water
Associated Lab Samples: 60179710001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/14/14 06:53	

LABORATORY CONTROL SAMPLE: 1457300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.7	103	90-110	

MATRIX SPIKE SAMPLE: 1457301

Parameter	Units	60179615001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	373	150	494	80	90-110	M1

MATRIX SPIKE SAMPLE: 1457303

Parameter	Units	60179727002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	2360	1250	3800	115	90-110	M1

SAMPLE DUPLICATE: 1457302

Parameter	Units	60179710001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	19600	19500	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|---|
| 1e | Rerun per request |
| D6 | The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits. |
| H1 | Analysis conducted outside the EPA method holding time. |
| H3 | Sample was received or analysis requested beyond the recognized method holding time. |
| H6 | Analysis initiated outside of the 15 minute EPA recommended holding time. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |
| N2 | The lab does not hold TNI accreditation for this parameter. |
| R1 | RPD value was outside control limits. |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-029

Pace Project No.: 60179710

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179710001	T1-029	EPA 200.7	MPRP/29233	EPA 200.7	ICP/21989
60179710001	T1-029	EPA 200.7	MPRP/29228	EPA 200.7	ICP/21984
60179710001	T1-029	EPA 245.1	MERP/8888	EPA 245.1	MERC/8844
60179710001	T1-029	EPA 245.1	MERP/8884	EPA 245.1	MERC/8839
60179710001	T1-029	EPA 625	OEXT/46555	EPA 625	MSSV/14962
60179710001	T1-029	EPA 624 Low	MSV/64947		
60179710002	TRIP BLANK	EPA 624 Low	MSV/64947		
60179710001	T1-029	EPA 1664A	WET/50818		
60179710001	T1-029	EPA 1664A	WET/50819		
60179710001	T1-029	SM 2540B	WET/51110		
60179710001	T1-029	SM 2540D	WET/50846		
60179710001	T1-029	SM 2540D	WET/51109		
60179710001	T1-029	SM 4500-H+B	WET/50756		
60179710001	T1-029	SM 5210B	WET/50773	SM 5210B	WET/50890
60179710001	T1-029	EPA 350.1	WETA/31313		
60179710001	T1-029	EPA 410.4	WETA/31293		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60179710



Client Name: Republic - Barr Eng.

Courier: Fed Ex [] UPS [] USPS [] Client [] Commercial [X] Pace [] Other [] Xbrady

Tracking #: _____ Pace Shipping Label Used? Yes [] No [X]

Custody Seal on Cooler/Box Present: Yes [X] No [] Seals intact: Yes [X] No []

Packing Material: Bubble Wrap [X] Bubble Bags [X] Foam [X] None [] Other []

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None [] Samples received on ice, cooling process has begun.

Cooler Temperature: 2.8
Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: 10/8/14 930

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. BOD / pH
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: water		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. BPN + BPS - unable to be preserved.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: [] Lot # of added preservative: 12513-10-3
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): unused		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16. no headspace detected.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: MD

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

October 28, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101


RE: Project: BRIDGETON LF T1-030
Pace Project No.: 60179809

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 09, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179809001	T1-030	Water	10/08/14 10:15	10/09/14 02:20
60179809002	TRIP BLANK	Water	10/08/14 10:15	10/09/14 02:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60179809001	T1-030	EPA 200.7	TDS	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540B	MER	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
60179809002	TRIP BLANK	EPA 624 Low	EAK	28

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

Date: October 28, 2014

The sample volume received for volatile analysis for leachate sample T1-030 contained head space presence greater than 6mm. Per historical instructions, the analysis is completed and the presence noted.

Amended report revised 10/28/14 to include Percent Total Solids and a secondary analysis for Total Suspended Solids.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

Sample: T1-030	Lab ID: 60179809001	Collected: 10/08/14 10:15	Received: 10/09/14 02:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	9350 ug/L		375	1	10/09/14 10:30	10/09/14 15:15	7429-90-5	
Antimony	ND ug/L		50.0	1	10/09/14 10:30	10/09/14 15:15	7440-36-0	
Arsenic	562 ug/L		50.0	1	10/09/14 10:30	10/09/14 15:15	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/09/14 10:30	10/09/14 15:15	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/09/14 10:30	10/09/14 15:15	7440-43-9	
Chromium	198 ug/L		25.0	1	10/09/14 10:30	10/09/14 15:15	7440-47-3	
Cobalt	28.5 ug/L		25.0	1	10/09/14 10:30	10/09/14 15:15	7440-48-4	
Copper	ND ug/L		50.0	1	10/09/14 10:30	10/09/14 15:15	7440-50-8	
Iron	578000 ug/L		250	1	10/09/14 10:30	10/09/14 15:15	7439-89-6	M1
Lead	103 ug/L		25.0	1	10/09/14 10:30	10/09/14 15:15	7439-92-1	
Nickel	92.4 ug/L		25.0	1	10/09/14 10:30	10/09/14 15:15	7440-02-0	
Selenium	ND ug/L		75.0	1	10/09/14 10:30	10/09/14 15:15	7782-49-2	
Silver	ND ug/L		35.0	1	10/09/14 10:30	10/09/14 15:15	7440-22-4	
Thallium	ND ug/L		100	1	10/09/14 10:30	10/09/14 15:15	7440-28-0	
Zinc	5900 ug/L		250	1	10/09/14 10:30	10/09/14 15:15	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/09/14 10:30	10/09/14 15:51	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/09/14 10:30	10/09/14 15:51	7440-36-0	
Arsenic, Dissolved	168 ug/L		50.0	1	10/09/14 10:30	10/09/14 15:51	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/09/14 10:30	10/09/14 15:51	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/09/14 10:30	10/09/14 15:51	7440-43-9	
Chromium, Dissolved	40.9 ug/L		25.0	1	10/09/14 10:30	10/09/14 15:51	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/09/14 10:30	10/09/14 15:51	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/09/14 10:30	10/09/14 15:51	7440-50-8	
Iron, Dissolved	43300 ug/L		250	1	10/09/14 10:30	10/09/14 15:51	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/09/14 10:30	10/09/14 15:51	7439-92-1	
Nickel, Dissolved	36.2 ug/L		25.0	1	10/09/14 10:30	10/09/14 15:51	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/09/14 10:30	10/09/14 15:51	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/09/14 10:30	10/09/14 15:51	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/09/14 10:30	10/09/14 15:51	7440-28-0	
Zinc, Dissolved	ND ug/L		250	1	10/09/14 10:30	10/09/14 15:51	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	10/09/14 15:25	10/10/14 10:53	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/09/14 15:25	10/10/14 11:20	7439-97-6	M1
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/10/14 00:00	10/14/14 17:55	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/10/14 00:00	10/14/14 17:55	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/10/14 00:00	10/14/14 17:55	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/10/14 00:00	10/14/14 17:55	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/10/14 00:00	10/14/14 17:55	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND ug/L		2000	1	10/10/14 00:00	10/14/14 17:55		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

Sample: T1-030	Lab ID: 60179809001	Collected: 10/08/14 10:15	Received: 10/09/14 02:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/10/14 00:00	10/14/14 17:55	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/10/14 00:00	10/14/14 17:55	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/10/14 00:00	10/14/14 17:55	87-86-5	
Phenol	2660 ug/L		500	1	10/10/14 00:00	10/14/14 17:55	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/10/14 00:00	10/14/14 17:55	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/10/14 00:00	10/14/14 17:55	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	87 %		33-120	1	10/10/14 00:00	10/14/14 17:55	4165-60-0	
2-Fluorobiphenyl (S)	81 %		39-120	1	10/10/14 00:00	10/14/14 17:55	321-60-8	
Terphenyl-d14 (S)	86 %		45-120	1	10/10/14 00:00	10/14/14 17:55	1718-51-0	
Phenol-d6 (S)	28 %		11-120	1	10/10/14 00:00	10/14/14 17:55	13127-88-3	
2-Fluorophenol (S)	38 %		17-120	1	10/10/14 00:00	10/14/14 17:55	367-12-4	
2,4,6-Tribromophenol (S)	71 %		39-120	1	10/10/14 00:00	10/14/14 17:55	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	62900 ug/L		1000	100		10/09/14 19:56	67-64-1	N2
Benzene	ND ug/L		100	100		10/09/14 19:56	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/09/14 19:56	75-27-4	
Bromoform	ND ug/L		100	100		10/09/14 19:56	75-25-2	
Bromomethane	ND ug/L		500	100		10/09/14 19:56	74-83-9	
2-Butanone (MEK)	20400 ug/L		1000	100		10/09/14 19:56	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/09/14 19:56	56-23-5	
Chloroethane	ND ug/L		100	100		10/09/14 19:56	75-00-3	
Chloroform	ND ug/L		100	100		10/09/14 19:56	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/09/14 19:56	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/09/14 19:56	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/09/14 19:56	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/09/14 19:56	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/09/14 19:56	100-41-4	
Methylene chloride	ND ug/L		100	100		10/09/14 19:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/09/14 19:56	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/09/14 19:56	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/09/14 19:56	127-18-4	
Toluene	ND ug/L		100	100		10/09/14 19:56	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/09/14 19:56	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/09/14 19:56	79-00-5	
Trichloroethene	ND ug/L		100	100		10/09/14 19:56	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/09/14 19:56	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/09/14 19:56	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	103 %		80-120	100		10/09/14 19:56	460-00-4	HS
Toluene-d8 (S)	103 %		80-120	100		10/09/14 19:56	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	100		10/09/14 19:56	17060-07-0	
Preservation pH	6.0		1.0	100		10/09/14 19:56		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	67.4 mg/L		5.0	1		10/14/14 16:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

Sample: T1-030		Lab ID: 60179809001	Collected: 10/08/14 10:15	Received: 10/09/14 02:20	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	6.1	mg/L	5.0	1		10/14/14 16:16		
2540B Total Solids		Analytical Method: SM 2540B						
Total Solids	23700	mg/L	5.0	1		10/27/14 08:15		H1
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	8140	mg/L	5.0	1		10/13/14 08:56		
Total Suspended Solids	7050	mg/L	5.0	1		10/24/14 12:57		1e,H3
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.2	Std. Units	0.10	1		10/11/14 14:00		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	8110	mg/L	2.0	1	10/10/14 09:25	10/15/14 10:58		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	146	mg/L	10.0	100		10/13/14 12:48	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	18500	mg/L	2500	250		10/14/14 07:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

Sample: TRIP BLANK		Lab ID: 60179809002	Collected: 10/08/14 10:15	Received: 10/09/14 02:20	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/09/14 21:35	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/09/14 21:35	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/09/14 21:35	75-27-4	
Bromoform	ND ug/L		1.0	1		10/09/14 21:35	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/09/14 21:35	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/09/14 21:35	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/09/14 21:35	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/09/14 21:35	75-00-3	
Chloroform	ND ug/L		1.0	1		10/09/14 21:35	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/09/14 21:35	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/09/14 21:35	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 21:35	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/09/14 21:35	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/09/14 21:35	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/09/14 21:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/09/14 21:35	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/09/14 21:35	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/09/14 21:35	127-18-4	
Toluene	ND ug/L		1.0	1		10/09/14 21:35	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/09/14 21:35	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/09/14 21:35	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/09/14 21:35	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/09/14 21:35	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/09/14 21:35	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	101 %		80-120	1		10/09/14 21:35	460-00-4	
Toluene-d8 (S)	101 %		80-120	1		10/09/14 21:35	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	1		10/09/14 21:35	17060-07-0	
Preservation pH	6.0		1.0	1		10/09/14 21:35		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch: MERP/8888

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60179809001

METHOD BLANK: 1456653

Matrix: Water

Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/10/14 10:24	

LABORATORY CONTROL SAMPLE: 1456654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1456655 1456656

Parameter	Units	60179699001		60179809001		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	ug/L	ND	150	150	89.7	91.8	57	59	70-130	2	20 M1

MATRIX SPIKE SAMPLE: 1456657

Parameter	Units	60179809001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	95.4	60	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch: MERP/8889

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60179809001

METHOD BLANK: 1456660

Matrix: Water

Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/10/14 11:02	

LABORATORY CONTROL SAMPLE: 1456661

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1456662 1456663

Parameter	Units	60179809001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	88.5	89.4	59	60	70-130	1	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch: MPRP/29241

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60179809001

METHOD BLANK: 1456611

Matrix: Water

Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/09/14 15:08	
Antimony	ug/L	ND	10.0	10/09/14 15:08	
Arsenic	ug/L	ND	10.0	10/09/14 15:08	
Beryllium	ug/L	ND	1.0	10/09/14 15:08	
Cadmium	ug/L	ND	5.0	10/09/14 15:08	
Chromium	ug/L	ND	5.0	10/09/14 15:08	
Cobalt	ug/L	ND	5.0	10/09/14 15:08	
Copper	ug/L	ND	10.0	10/09/14 15:08	
Iron	ug/L	ND	50.0	10/09/14 15:08	
Lead	ug/L	ND	5.0	10/09/14 15:08	
Nickel	ug/L	ND	5.0	10/09/14 15:08	
Selenium	ug/L	ND	15.0	10/09/14 15:08	
Silver	ug/L	ND	7.0	10/09/14 15:08	
Thallium	ug/L	ND	20.0	10/09/14 15:08	
Zinc	ug/L	ND	50.0	10/09/14 15:08	

LABORATORY CONTROL SAMPLE: 1456612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	85-115	
Antimony	ug/L	1000	1040	104	85-115	
Arsenic	ug/L	1000	1000	100	85-115	
Beryllium	ug/L	1000	1000	100	85-115	
Cadmium	ug/L	1000	1020	102	85-115	
Chromium	ug/L	1000	1000	100	85-115	
Cobalt	ug/L	1000	1040	104	85-115	
Copper	ug/L	1000	1010	101	85-115	
Iron	ug/L	10000	10200	102	85-115	
Lead	ug/L	1000	1030	103	85-115	
Nickel	ug/L	1000	1050	105	85-115	
Selenium	ug/L	1000	1010	101	85-115	
Silver	ug/L	500	504	101	85-115	
Thallium	ug/L	1000	1040	104	85-115	
Zinc	ug/L	1000	1020	102	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1456613 1456614												
Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		60179809001 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Aluminum	ug/L	9350	50000	50000	61200	61000	104	103	70-130	0	8	
Antimony	ug/L	ND	5000	5000	5240	5270	105	105	70-130	1	7	
Arsenic	ug/L	562	5000	5000	5760	5770	104	104	70-130	0	10	
Beryllium	ug/L	ND	5000	5000	4930	4920	99	98	70-130	0	7	
Cadmium	ug/L	ND	5000	5000	5220	5220	104	104	70-130	0	10	
Chromium	ug/L	198	5000	5000	4980	5010	96	96	70-130	1	10	
Cobalt	ug/L	28.5	5000	5000	4960	4950	99	98	70-130	0	6	
Copper	ug/L	ND	5000	5000	5310	5310	106	106	70-130	0	11	
Iron	ug/L	578000	50000	50000	527000	532000	-103	-94	70-130	1	10 M1	
Lead	ug/L	103	5000	5000	4890	4860	96	95	70-130	0	10	
Nickel	ug/L	92.4	5000	5000	5000	4990	98	98	70-130	0	10	
Selenium	ug/L	ND	5000	5000	5470	5460	109	109	70-130	0	10	
Silver	ug/L	ND	2500	2500	2620	2630	104	105	70-130	0	10	
Thallium	ug/L	ND	5000	5000	4520	4590	90	92	70-130	1	6	
Zinc	ug/L	5900	5000	5000	9620	9620	74	74	70-130	0	11	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030
Pace Project No.: 60179809

QC Batch: MPRP/29240 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 60179809001

METHOD BLANK: 1456607 Matrix: Water
Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/09/14 15:35	
Antimony, Dissolved	ug/L	ND	10.0	10/09/14 15:35	
Arsenic, Dissolved	ug/L	ND	10.0	10/09/14 15:35	
Beryllium, Dissolved	ug/L	ND	1.0	10/09/14 15:35	
Cadmium, Dissolved	ug/L	ND	5.0	10/09/14 15:35	
Chromium, Dissolved	ug/L	ND	5.0	10/09/14 15:35	
Cobalt, Dissolved	ug/L	ND	5.0	10/09/14 15:35	
Copper, Dissolved	ug/L	ND	10.0	10/09/14 15:35	
Iron, Dissolved	ug/L	ND	50.0	10/09/14 15:35	
Lead, Dissolved	ug/L	ND	5.0	10/09/14 15:35	
Nickel, Dissolved	ug/L	ND	5.0	10/09/14 15:35	
Selenium, Dissolved	ug/L	ND	15.0	10/09/14 15:35	
Silver, Dissolved	ug/L	ND	7.0	10/09/14 15:35	
Thallium, Dissolved	ug/L	ND	20.0	10/09/14 15:35	
Zinc, Dissolved	ug/L	ND	50.0	10/09/14 15:35	

LABORATORY CONTROL SAMPLE: 1456608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10100	101	85-115	
Antimony, Dissolved	ug/L	1000	1030	103	85-115	
Arsenic, Dissolved	ug/L	1000	988	99	85-115	
Beryllium, Dissolved	ug/L	1000	1010	101	85-115	
Cadmium, Dissolved	ug/L	1000	1000	100	85-115	
Chromium, Dissolved	ug/L	1000	994	99	85-115	
Cobalt, Dissolved	ug/L	1000	1020	102	85-115	
Copper, Dissolved	ug/L	1000	1010	101	85-115	
Iron, Dissolved	ug/L	10000	10100	101	85-115	
Lead, Dissolved	ug/L	1000	1020	102	85-115	
Nickel, Dissolved	ug/L	1000	1040	104	85-115	
Selenium, Dissolved	ug/L	1000	1010	101	85-115	
Silver, Dissolved	ug/L	500	501	100	85-115	
Thallium, Dissolved	ug/L	1000	1010	101	85-115	
Zinc, Dissolved	ug/L	1000	1010	101	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1456609		1456610		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		60179735001 Result	MS Spike Conc.	MSD Spike Conc.									
Aluminum, Dissolved	ug/L		10000	10000	10200	10200	101	102	70-130	0	8		
Antimony, Dissolved	ug/L		1000	1000	1040	1050	104	105	70-130	1	7		
Arsenic, Dissolved	ug/L		1000	1000	993	1000	99	100	70-130	1	10		
Beryllium, Dissolved	ug/L		1000	1000	1010	1020	101	102	70-130	1	7		
Cadmium, Dissolved	ug/L	ND	1000	1000	1010	1010	101	101	70-130	0	10		
Chromium, Dissolved	ug/L		1000	1000	982	988	98	99	70-130	1	10		
Cobalt, Dissolved	ug/L		1000	1000	1000	1000	100	100	70-130	0	6		
Copper, Dissolved	ug/L	1.5J	1000	1000	1020	1020	102	102	70-130	1	11		
Iron, Dissolved	ug/L		10000	10000	9880	9930	99	99	70-130	0	10		
Lead, Dissolved	ug/L	5.0	1000	1000	1010	1020	101	101	70-130	0	10		
Nickel, Dissolved	ug/L		1000	1000	1010	1020	101	102	70-130	0	10		
Selenium, Dissolved	ug/L		1000	1000	1010	1010	101	101	70-130	0	10		
Silver, Dissolved	ug/L		500	500	503	502	100	100	70-130	0	10		
Thallium, Dissolved	ug/L		1000	1000	998	1000	100	100	70-130	1	6		
Zinc, Dissolved	ug/L	ND	1000	1000	983	984	98	98	70-130	0	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch: MSV/64947 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60179809001, 60179809002

METHOD BLANK: 1456627 Matrix: Water

Associated Lab Samples: 60179809001, 60179809002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/09/14 17:06	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,2-Dichloroethane	ug/L	ND	1.0	10/09/14 17:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/09/14 17:06	
2-Butanone (MEK)	ug/L	ND	10.0	10/09/14 17:06	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/09/14 17:06	N2
Acetone	ug/L	ND	10.0	10/09/14 17:06	N2
Benzene	ug/L	ND	1.0	10/09/14 17:06	
Bromodichloromethane	ug/L	ND	1.0	10/09/14 17:06	
Bromoform	ug/L	ND	1.0	10/09/14 17:06	
Bromomethane	ug/L	ND	5.0	10/09/14 17:06	
Carbon tetrachloride	ug/L	ND	1.0	10/09/14 17:06	
Chloroethane	ug/L	ND	1.0	10/09/14 17:06	
Chloroform	ug/L	ND	1.0	10/09/14 17:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	N2
Ethylbenzene	ug/L	ND	1.0	10/09/14 17:06	
Methylene chloride	ug/L	ND	1.0	10/09/14 17:06	
Tetrachloroethene	ug/L	ND	1.0	10/09/14 17:06	
Toluene	ug/L	ND	1.0	10/09/14 17:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Trichloroethene	ug/L	ND	1.0	10/09/14 17:06	
Vinyl chloride	ug/L	ND	1.0	10/09/14 17:06	
Xylene (Total)	ug/L	ND	3.0	10/09/14 17:06	N2
1,2-Dichloroethane-d4 (S)	%	102	80-120	10/09/14 17:06	
4-Bromofluorobenzene (S)	%	106	80-120	10/09/14 17:06	
Toluene-d8 (S)	%	98	80-120	10/09/14 17:06	

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	98	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.6	103	67-124	
1,2-Dichloroethane	ug/L	20	20.8	104	70-126	
1,4-Dichlorobenzene	ug/L	20	19.7	98	74-120	
2-Butanone (MEK)	ug/L	100	99.9	100	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	59-131	N2
Acetone	ug/L	100	103	103	38-134	N2
Benzene	ug/L	20	19.8	99	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

LABORATORY CONTROL SAMPLE: 1456628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.4	102	68-125	
Bromoform	ug/L	20	21.5	108	65-127	
Bromomethane	ug/L	20	26.0	130	13-157	
Carbon tetrachloride	ug/L	20	19.6	98	70-131	
Chloroethane	ug/L	20	22.1	110	47-133	
Chloroform	ug/L	20	19.5	98	65-127	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	68-127	N2
Ethylbenzene	ug/L	20	20.1	101	74-122	
Methylene chloride	ug/L	20	19.1	96	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	19.5	97	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	66-129	
Trichloroethene	ug/L	20	19.2	96	71-123	
Vinyl chloride	ug/L	20	24.3	121	43-129	
Xylene (Total)	ug/L	60	62.5	104	75-121	N2
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE SAMPLE: 1456629

Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	4000	5230	131	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	4000	5290	132	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	4000	5140	129	52-143	
1,2-Dichloroethane	ug/L	ND	4000	4860	121	49-144	
1,4-Dichlorobenzene	ug/L	ND	4000	4990	123	33-140	
2-Butanone (MEK)	ug/L	15400	20000	35800	102	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20000	22600	112	40-160	N2
Acetone	ug/L	44300	20000	59100	74	10-160	N2
Benzene	ug/L	ND	4000	5130	126	37-151	
Bromodichloromethane	ug/L	ND	4000	5000	125	35-142	
Bromoform	ug/L	ND	4000	5310	133	45-142	
Bromomethane	ug/L	ND	4000	5780	145	10-158	
Carbon tetrachloride	ug/L	ND	4000	5530	138	70-140	
Chloroethane	ug/L	ND	4000	5070	127	19-152	
Chloroform	ug/L	ND	4000	4790	120	51-138	
cis-1,2-Dichloroethene	ug/L	ND	4000	4810	120	34-147	N2
Ethylbenzene	ug/L	ND	4000	5280	132	40-142	
Methylene chloride	ug/L	ND	4000	4710	116	31-144	
Tetrachloroethene	ug/L	ND	4000	5500	138	64-148	
Toluene	ug/L	ND	4000	5060	123	47-150	
trans-1,2-Dichloroethene	ug/L	ND	4000	5120	128	54-151	
Trichloroethene	ug/L	ND	4000	4980	124	71-149	
Vinyl chloride	ug/L	ND	4000	5660	142	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

MATRIX SPIKE SAMPLE:		1456629					
Parameter	Units	60179403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	12000	15800	132	37-144	N2
1,2-Dichloroethane-d4 (S)	%				94	80-120	
4-Bromofluorobenzene (S)	%				102	80-120	
Toluene-d8 (S)	%				97	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch: OEXT/46581 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60179809001

METHOD BLANK: 1457215 Matrix: Water

Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/12/14 15:41	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/12/14 15:41	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/12/14 15:41	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/12/14 15:41	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/12/14 15:41	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/12/14 15:41	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/12/14 15:41	
Hexachloroethane	ug/L	ND	5.0	10/12/14 15:41	
Naphthalene	ug/L	ND	5.0	10/12/14 15:41	
Nitrobenzene	ug/L	ND	5.0	10/12/14 15:41	
Pentachlorophenol	ug/L	ND	5.0	10/12/14 15:41	
Phenol	ug/L	ND	5.0	10/12/14 15:41	
2,4,6-Tribromophenol (S)	%	78	39-120	10/12/14 15:41	
2-Fluorobiphenyl (S)	%	82	39-120	10/12/14 15:41	
2-Fluorophenol (S)	%	42	17-120	10/12/14 15:41	
Nitrobenzene-d5 (S)	%	84	33-120	10/12/14 15:41	
Phenol-d6 (S)	%	31	11-120	10/12/14 15:41	
Terphenyl-d14 (S)	%	85	45-120	10/12/14 15:41	

LABORATORY CONTROL SAMPLE: 1457216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	38.9	78	46-120	
2,4,6-Trichlorophenol	ug/L	50	43.1	86	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	35.9	72	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.4	67	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	38.0	76	40-133	
Hexachloro-1,3-butadiene	ug/L	50	37.6	75	44-116	
Hexachlorocyclopentadiene	ug/L	100	33.0	33	24-120	
Hexachloroethane	ug/L	50	40.4	81	43-113	
Naphthalene	ug/L	50	42.1	84	48-120	
Nitrobenzene	ug/L	50	43.2	86	48-120	
Pentachlorophenol	ug/L	50	44.5	89	47-120	
Phenol	ug/L	50	18.7	37	16-112	
2,4,6-Tribromophenol (S)	%			78	39-120	
2-Fluorobiphenyl (S)	%			87	39-120	
2-Fluorophenol (S)	%			49	17-120	
Nitrobenzene-d5 (S)	%			87	33-120	
Phenol-d6 (S)	%			34	11-120	
Terphenyl-d14 (S)	%			88	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

MATRIX SPIKE SAMPLE: 1457217		60179809001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3480	70	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4120	82	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3370	67	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	5000	5190	67	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	3980	80	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3260	65	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	3950	40	11-120	
Hexachloroethane	ug/L	ND	5000	4070	81	40-113	
Naphthalene	ug/L	ND	5000	3960	79	45-120	
Nitrobenzene	ug/L	ND	5000	4350	87	38-120	
Pentachlorophenol	ug/L	ND	5000	4140	83	43-135	
Phenol	ug/L	2660	5000	4910	45	13-112	
2,4,6-Tribromophenol (S)	%				72	39-120	
2-Fluorobiphenyl (S)	%				85	39-120	
2-Fluorophenol (S)	%				39	17-120	
Nitrobenzene-d5 (S)	%				90	33-120	
Phenol-d6 (S)	%				29	11-120	
Terphenyl-d14 (S)	%				90	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch: WET/50886

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60179809001

METHOD BLANK: 1459586

Matrix: Water

Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/14/14 16:09	

LABORATORY CONTROL SAMPLE: 1459587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.8	100	78-114	

MATRIX SPIKE SAMPLE: 1459589

Parameter	Units	60179524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	41.2	38.0	89	78-114	

SAMPLE DUPLICATE: 1459588

Parameter	Units	60179727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	101	89.5	12	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch:	WET/50887	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60179809001		

METHOD BLANK: 1459597 Matrix: Water
Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/14/14 16:15	

LABORATORY CONTROL SAMPLE: 1459598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.8	119	64-132	

MATRIX SPIKE SAMPLE: 1459600

Parameter	Units	60179524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	15.6	67	64-132	

SAMPLE DUPLICATE: 1459599

Parameter	Units	60179727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	16.4	17.2	5	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch: WET/51110

Analysis Method: SM 2540B

QC Batch Method: SM 2540B

Analysis Description: 2540B Total Solids

Associated Lab Samples: 60179809001

METHOD BLANK: 1466539

Matrix: Water

Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	mg/L	ND	5.0	10/27/14 08:14	

LABORATORY CONTROL SAMPLE: 1466540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	mg/L	1000	838	84	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch: WET/50846

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60179809001

METHOD BLANK: 1458885

Matrix: Water

Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/13/14 08:52	

SAMPLE DUPLICATE: 1458886

Parameter	Units	60179950001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	7.0	9.0	25	10	D6

SAMPLE DUPLICATE: 1458887

Parameter	Units	60179714002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	372	388	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch:	WET/51109	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60179809001		

METHOD BLANK: 1466532 Matrix: Water

Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/24/14 12:56	

SAMPLE DUPLICATE: 1466533

Parameter	Units	60179699001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	7400	7040	5	10	H1

SAMPLE DUPLICATE: 1466534

Parameter	Units	60180912002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch: WET/50837 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60179809001

SAMPLE DUPLICATE: 1458420

Parameter	Units	60179608001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch: WET/50810

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60179809001

METHOD BLANK: 1457242

Matrix: Water

Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/15/14 10:45	

LABORATORY CONTROL SAMPLE: 1457243

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	192	97	85-115	

SAMPLE DUPLICATE: 1457244

Parameter	Units	60179737001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	2.9	2.6	10	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch:	WETA/31313	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60179809001		

METHOD BLANK: 1458950 Matrix: Water
Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/13/14 12:40	

LABORATORY CONTROL SAMPLE: 1458951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 1458952

Parameter	Units	60179847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.3	2	5.8	74	90-110	M1

SAMPLE DUPLICATE: 1458953

Parameter	Units	60178889001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.042J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

QC Batch:	WETA/31293	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60179809001		

METHOD BLANK: 1457299 Matrix: Water
Associated Lab Samples: 60179809001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/14/14 06:53	

LABORATORY CONTROL SAMPLE: 1457300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.7	103	90-110	

MATRIX SPIKE SAMPLE: 1457301

Parameter	Units	60179615001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	373	150	494	80	90-110	M1

MATRIX SPIKE SAMPLE: 1457303

Parameter	Units	60179727002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	2360	1250	3800	115	90-110	M1

SAMPLE DUPLICATE: 1457302

Parameter	Units	60179710001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	19600	19500	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|---|
| 1e | Rerun per request |
| D6 | The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits. |
| H1 | Analysis conducted outside the EPA method holding time. |
| H3 | Sample was received or analysis requested beyond the recognized method holding time. |
| H6 | Analysis initiated outside of the 15 minute EPA recommended holding time. |
| HS | Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter). |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |
| N2 | The lab does not hold TNI accreditation for this parameter. |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-030

Pace Project No.: 60179809

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179809001	T1-030	EPA 200.7	MPRP/29241	EPA 200.7	ICP/21988
60179809001	T1-030	EPA 200.7	MPRP/29240	EPA 200.7	ICP/21987
60179809001	T1-030	EPA 245.1	MERP/8888	EPA 245.1	MERC/8844
60179809001	T1-030	EPA 245.1	MERP/8889	EPA 245.1	MERC/8845
60179809001	T1-030	EPA 625	OEXT/46581	EPA 625	MSSV/14975
60179809001	T1-030	EPA 624 Low	MSV/64947		
60179809002	TRIP BLANK	EPA 624 Low	MSV/64947		
60179809001	T1-030	EPA 1664A	WET/50886		
60179809001	T1-030	EPA 1664A	WET/50887		
60179809001	T1-030	SM 2540B	WET/51110		
60179809001	T1-030	SM 2540D	WET/50846		
60179809001	T1-030	SM 2540D	WET/51109		
60179809001	T1-030	SM 4500-H+B	WET/50837		
60179809001	T1-030	SM 5210B	WET/50810	SM 5210B	WET/50918
60179809001	T1-030	EPA 350.1	WETA/31313		
60179809001	T1-030	EPA 410.4	WETA/31293		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60179809



60179809

Client Name: Barr Eng

Courier: Fed Ex UPS USPS Client Commercial Pace Other XRoads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194

Type of Ice: Wet Blue None Samples received on ice, cooling process has begun (circle one)

Cooler Temperature: 4.8

Date and initials of person examining contents: JVS 10/3/14 745

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>BOD</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>water</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>unable to preserve BPSN + BPS</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>JVS</u> Lot # of added preservative
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): <u>001014-3</u>		15.
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16. <u>all sample vials have headspace 5055 - APPLY COMMENTS</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>IL</u>

Client Notification/ Resolution: Copy COC to Client? Y N Field Data Required? Y N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 10/10/14

October 16, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101


RE: Project: BRIDGETON LF FLY ASH/SOIL
Pace Project No.: 60179885

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 09, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF FLY ASH/SOIL

Pace Project No.: 60179885

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF FLY ASH/SOIL
Pace Project No.: 60179885

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179885001	FLY ASH/SOIL	Solid	10/08/14 11:15	10/09/14 02:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF FLY ASH/SOIL

Pace Project No.: 60179885

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60179885001	FLY ASH/SOIL	EPA 6010	TDS	7
		EPA 7470	ZBM	1
		ASTM D2974	DWC	1
		EPA 9095	AJM	1
		EPA 300.0	OL	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF FLY ASH/SOIL

Pace Project No.: 60179885

Sample: FLY ASH/SOIL **Lab ID: 60179885001** Collected: 10/08/14 11:15 Received: 10/09/14 02:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/10/14 00:00									
Arsenic	ND	mg/L	0.50	5	1	10/13/14 10:00	10/13/14 15:30	7440-38-2	
Barium	ND	mg/L	2.5	100	1	10/13/14 10:00	10/13/14 15:30	7440-39-3	
Cadmium	ND	mg/L	0.050	1	1	10/13/14 10:00	10/13/14 15:30	7440-43-9	
Chromium	ND	mg/L	0.10	5	1	10/13/14 10:00	10/13/14 15:30	7440-47-3	
Lead	ND	mg/L	0.50	5	1	10/13/14 10:00	10/13/14 15:30	7439-92-1	
Selenium	ND	mg/L	0.50	1	1	10/13/14 10:00	10/13/14 15:30	7782-49-2	
Silver	ND	mg/L	0.10	5	1	10/13/14 10:00	10/13/14 15:30	7440-22-4	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/10/14 00:00									
Mercury	ND	mg/L	0.0020	.2	1	10/13/14 10:20	10/14/14 10:13	7439-97-6	
Percent Moisture									
Analytical Method: ASTM D2974									
Percent Moisture	11.7	%	0.50		1		10/13/14 00:00		
9095 Paint Filter Liquid Test									
Analytical Method: EPA 9095									
Free Liquids	negative				1		10/16/14 10:30		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0									
Sulfate	991	mg/kg	113		10	10/15/14 12:00	10/15/14 16:48	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF FLY ASH/SOIL

Pace Project No.: 60179885

QC Batch: MERP/8902

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury TCLP

Associated Lab Samples: 60179885001

METHOD BLANK: 1458851

Matrix: Water

Associated Lab Samples: 60179885001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.0020	10/14/14 09:59	

LABORATORY CONTROL SAMPLE: 1458852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.005	0.0051	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1458853 1458854

Parameter	Units	60179865001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury	mg/L	ND	.015	.015	0.015	0.015	101	101	75-125	1	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF FLY ASH/SOIL

Pace Project No.: 60179885

QC Batch: MPRP/29287

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET TCLP

Associated Lab Samples: 60179885001

METHOD BLANK: 1459003

Matrix: Water

Associated Lab Samples: 60179885001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.50	10/13/14 15:12	
Barium	mg/L	ND	2.5	10/13/14 15:12	
Cadmium	mg/L	ND	0.050	10/13/14 15:12	
Chromium	mg/L	ND	0.10	10/13/14 15:12	
Lead	mg/L	ND	0.50	10/13/14 15:12	
Selenium	mg/L	ND	0.50	10/13/14 15:12	
Silver	mg/L	ND	0.10	10/13/14 15:12	

LABORATORY CONTROL SAMPLE: 1459004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	0.93	93	80-120	
Barium	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	1	0.95	95	80-120	
Chromium	mg/L	1	0.93	93	80-120	
Lead	mg/L	1	0.97	97	80-120	
Selenium	mg/L	1	0.92	92	80-120	
Silver	mg/L	.5	0.47	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1459005 1459006

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		60179370001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Arsenic	mg/L	ND	10	10	9.5	8.9	94	89	75-125	6	20	
Barium	mg/L	ND	10	10	10.6	10.1	99	94	75-125	5	20	
Cadmium	mg/L	ND	10	10	9.6	9.1	96	91	75-125	5	20	
Chromium	mg/L	ND	10	10	9.2	8.7	91	87	75-125	5	20	
Lead	mg/L	ND	10	10	9.6	9.1	96	91	75-125	5	20	
Selenium	mg/L	ND	10	10	9.3	8.9	93	89	75-125	5	20	
Silver	mg/L	ND	5	5	4.7	4.5	94	90	75-125	5	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF FLY ASH/SOIL

Pace Project No.: 60179885

QC Batch: PMST/10107

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 60179885001

METHOD BLANK: 1458877

Matrix: Solid

Associated Lab Samples: 60179885001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	10/13/14 00:00	

SAMPLE DUPLICATE: 1458878

Parameter	Units	60179487001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	93.5	94.2	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF FLY ASH/SOIL

Pace Project No.: 60179885

QC Batch: WET/50944

Analysis Method: EPA 9095

QC Batch Method: EPA 9095

Analysis Description: 9095 PAINT FILTER LIQUID TEST

Associated Lab Samples: 60179885001

SAMPLE DUPLICATE: 1461267

Parameter	Units	60180034001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids		positive	positive			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF FLY ASH/SOIL

Pace Project No.: 60179885

QC Batch:	WETA/31362	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	60179885001		

METHOD BLANK: 1460584 Matrix: Solid
Associated Lab Samples: 60179885001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/kg	ND	98.4	10/15/14 15:08	

LABORATORY CONTROL SAMPLE: 1460585

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/kg	493	537	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460586 1460587

Parameter	Units	60179553001		MS		MSD		% Rec		Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Sulfate	mg/kg	ND	496	497	480	503	97	101	80-120	5	15		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF FLY ASH/SOIL

Pace Project No.: 60179885

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF FLY ASH/SOIL

Pace Project No.: 60179885

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179885001	FLY ASH/SOIL	EPA 3010	MPRP/29287	EPA 6010	ICP/22013
60179885001	FLY ASH/SOIL	EPA 7470	MERP/8902	EPA 7470	MERC/8857
60179885001	FLY ASH/SOIL	ASTM D2974	PMST/10107		
60179885001	FLY ASH/SOIL	EPA 9095	WET/50944		
60179885001	FLY ASH/SOIL	EPA 300.0	WETA/31362	EPA 300.0	WETA/31363

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60179885



Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other Xroads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 3.8

Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: GW 10/9/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Includes date/time/ID/analyses Matrix: <u>SL</u>		13.
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Lot # of added preservative
Pace Trip Blank lot # (if purchased):		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17. List State: <u>MD</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: [Signature]

October 17, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

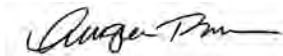
RE: Project: BRIDGETON LF T1-031
Pace Project No.: 60179932

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 10, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179932001	T1-031	Water	10/09/14 08:30	10/10/14 03:00
60179932002	TRIP BLANK	Water	10/09/14 08:30	10/10/14 03:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60179932001	T1-031	EPA 200.7	JGP	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60179932002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

Sample: T1-031		Lab ID: 60179932001	Collected: 10/09/14 08:30	Received: 10/10/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	3100	ug/L	375	1	10/10/14 13:45	10/13/14 11:28	7429-90-5	
Antimony	ND	ug/L	50.0	1	10/10/14 13:45	10/13/14 11:28	7440-36-0	
Arsenic	299	ug/L	50.0	1	10/10/14 13:45	10/13/14 11:28	7440-38-2	
Beryllium	ND	ug/L	5.0	1	10/10/14 13:45	10/13/14 11:28	7440-41-7	
Cadmium	ND	ug/L	25.0	1	10/10/14 13:45	10/13/14 11:28	7440-43-9	
Chromium	96.1	ug/L	25.0	1	10/10/14 13:45	10/13/14 11:28	7440-47-3	
Cobalt	ND	ug/L	25.0	1	10/10/14 13:45	10/13/14 11:28	7440-48-4	
Copper	ND	ug/L	50.0	1	10/10/14 13:45	10/13/14 11:28	7440-50-8	
Iron	203000	ug/L	250	1	10/10/14 13:45	10/13/14 11:28	7439-89-6	M1
Lead	39.6	ug/L	25.0	1	10/10/14 13:45	10/13/14 11:28	7439-92-1	
Nickel	64.0	ug/L	25.0	1	10/10/14 13:45	10/13/14 11:28	7440-02-0	
Selenium	ND	ug/L	75.0	1	10/10/14 13:45	10/13/14 11:28	7782-49-2	
Silver	ND	ug/L	35.0	1	10/10/14 13:45	10/13/14 11:28	7440-22-4	
Thallium	ND	ug/L	100	1	10/10/14 13:45	10/13/14 11:28	7440-28-0	
Zinc	2420	ug/L	250	1	10/10/14 13:45	10/13/14 11:28	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND	ug/L	375	1	10/10/14 13:45	10/13/14 12:02	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	10/10/14 13:45	10/13/14 12:02	7440-36-0	
Arsenic, Dissolved	214	ug/L	50.0	1	10/10/14 13:45	10/13/14 12:02	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	10/10/14 13:45	10/13/14 12:02	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	10/10/14 13:45	10/13/14 12:02	7440-43-9	
Chromium, Dissolved	48.1	ug/L	25.0	1	10/10/14 13:45	10/13/14 12:02	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	10/10/14 13:45	10/13/14 12:02	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	10/10/14 13:45	10/13/14 12:02	7440-50-8	
Iron, Dissolved	37000	ug/L	250	1	10/10/14 13:45	10/13/14 12:02	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	10/10/14 13:45	10/13/14 12:02	7439-92-1	
Nickel, Dissolved	49.6	ug/L	25.0	1	10/10/14 13:45	10/13/14 12:02	7440-02-0	
Selenium, Dissolved	ND	ug/L	75.0	1	10/10/14 13:45	10/13/14 12:02	7782-49-2	
Silver, Dissolved	ND	ug/L	35.0	1	10/10/14 13:45	10/13/14 12:02	7440-22-4	
Thallium, Dissolved	ND	ug/L	100	1	10/10/14 13:45	10/13/14 12:02	7440-28-0	
Zinc, Dissolved	ND	ug/L	250	1	10/10/14 13:45	10/13/14 12:02	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	6.0	1	10/14/14 12:25	10/15/14 11:45	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	10/15/14 16:30	10/16/14 09:55	7439-97-6	M1
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	2500	1	10/14/14 00:00	10/15/14 15:27	534-52-1	
Hexachloro-1,3-butadiene	ND	ug/L	500	1	10/14/14 00:00	10/15/14 15:27	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	500	1	10/14/14 00:00	10/15/14 15:27	77-47-4	
Hexachloroethane	ND	ug/L	500	1	10/14/14 00:00	10/15/14 15:27	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1000	1	10/14/14 00:00	10/15/14 15:27	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2470	ug/L	2000	1	10/14/14 00:00	10/15/14 15:27		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

Sample: T1-031	Lab ID: 60179932001	Collected: 10/09/14 08:30	Received: 10/10/14 03:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:27	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:27	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:27	87-86-5	
Phenol	4060 ug/L		500	1	10/14/14 00:00	10/15/14 15:27	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:27	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:27	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	86 %		33-120	1	10/14/14 00:00	10/15/14 15:27	4165-60-0	
2-Fluorobiphenyl (S)	81 %		39-120	1	10/14/14 00:00	10/15/14 15:27	321-60-8	
Terphenyl-d14 (S)	91 %		45-120	1	10/14/14 00:00	10/15/14 15:27	1718-51-0	
Phenol-d6 (S)	32 %		11-120	1	10/14/14 00:00	10/15/14 15:27	13127-88-3	
2-Fluorophenol (S)	44 %		17-120	1	10/14/14 00:00	10/15/14 15:27	367-12-4	
2,4,6-Tribromophenol (S)	92 %		39-120	1	10/14/14 00:00	10/15/14 15:27	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	39700 ug/L		1000	100		10/10/14 14:13	67-64-1	N2
Benzene	ND ug/L		100	100		10/10/14 14:13	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/10/14 14:13	75-27-4	
Bromoform	ND ug/L		100	100		10/10/14 14:13	75-25-2	
Bromomethane	ND ug/L		500	100		10/10/14 14:13	74-83-9	
2-Butanone (MEK)	14800 ug/L		1000	100		10/10/14 14:13	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/10/14 14:13	56-23-5	
Chloroethane	ND ug/L		100	100		10/10/14 14:13	75-00-3	
Chloroform	ND ug/L		100	100		10/10/14 14:13	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/10/14 14:13	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/10/14 14:13	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/10/14 14:13	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/10/14 14:13	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/10/14 14:13	100-41-4	
Methylene chloride	ND ug/L		100	100		10/10/14 14:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/10/14 14:13	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/10/14 14:13	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/10/14 14:13	127-18-4	
Toluene	ND ug/L		100	100		10/10/14 14:13	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/10/14 14:13	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/10/14 14:13	79-00-5	
Trichloroethene	ND ug/L		100	100		10/10/14 14:13	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/10/14 14:13	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/10/14 14:13	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	103 %		80-120	100		10/10/14 14:13	460-00-4	HS
Toluene-d8 (S)	100 %		80-120	100		10/10/14 14:13	2037-26-5	
1,2-Dichloroethane-d4 (S)	100 %		80-120	100		10/10/14 14:13	17060-07-0	
Preservation pH	6.0		1.0	100		10/10/14 14:13		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	122 mg/L		5.0	1		10/14/14 16:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

Sample: T1-031		Lab ID: 60179932001	Collected: 10/09/14 08:30	Received: 10/10/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	7.8	mg/L	5.0	1		10/14/14 16:18		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	2940	mg/L	5.0	1		10/13/14 08:56		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.2	Std. Units	0.10	1		10/11/14 14:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	7300	mg/L	2.0	1	10/10/14 16:14	10/15/14 13:56		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	170	mg/L	10.0	100		10/13/14 12:56	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	18600	mg/L	2500	250		10/15/14 08:55		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

Sample: TRIP BLANK		Lab ID: 60179932002	Collected: 10/09/14 08:30	Received: 10/10/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/10/14 14:42	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/10/14 14:42	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/10/14 14:42	75-27-4	
Bromoform	ND ug/L		1.0	1		10/10/14 14:42	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/10/14 14:42	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/10/14 14:42	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/10/14 14:42	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/10/14 14:42	75-00-3	
Chloroform	ND ug/L		1.0	1		10/10/14 14:42	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/10/14 14:42	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/10/14 14:42	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/10/14 14:42	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/10/14 14:42	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/10/14 14:42	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/10/14 14:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/10/14 14:42	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/10/14 14:42	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/10/14 14:42	127-18-4	
Toluene	ND ug/L		1.0	1		10/10/14 14:42	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/10/14 14:42	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/10/14 14:42	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/10/14 14:42	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/10/14 14:42	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/10/14 14:42	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	106 %		80-120	1		10/10/14 14:42	460-00-4	
Toluene-d8 (S)	100 %		80-120	1		10/10/14 14:42	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	1		10/10/14 14:42	17060-07-0	
Preservation pH	6.0		1.0	1		10/10/14 14:42		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch:	MERP/8907	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
Associated Lab Samples:	60179932001		

METHOD BLANK: 1459245 Matrix: Water
Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/15/14 11:32	

LABORATORY CONTROL SAMPLE: 1459246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	99	85-115	

MATRIX SPIKE SAMPLE: 1459247

Parameter	Units	60179491013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.7	94	70-130	

MATRIX SPIKE SAMPLE: 1459248

Parameter	Units	60180096004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	5.0	101	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch: MERP/8917

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60179932001

METHOD BLANK: 1460680

Matrix: Water

Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/16/14 09:51	

LABORATORY CONTROL SAMPLE: 1460681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460682 1460683

Parameter	Units	60179932001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	95.7	103	64	68	70-130	7	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch: MPRP/29270

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60179932001

METHOD BLANK: 1457580

Matrix: Water

Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/13/14 11:21	
Antimony	ug/L	ND	10.0	10/13/14 11:21	
Arsenic	ug/L	ND	10.0	10/13/14 11:21	
Beryllium	ug/L	ND	1.0	10/13/14 11:21	
Cadmium	ug/L	ND	5.0	10/13/14 11:21	
Chromium	ug/L	ND	5.0	10/13/14 11:21	
Cobalt	ug/L	ND	5.0	10/13/14 11:21	
Copper	ug/L	ND	10.0	10/13/14 11:21	
Iron	ug/L	ND	50.0	10/13/14 11:21	
Lead	ug/L	ND	5.0	10/13/14 11:21	
Nickel	ug/L	ND	5.0	10/13/14 11:21	
Selenium	ug/L	ND	15.0	10/13/14 11:21	
Silver	ug/L	ND	7.0	10/13/14 11:21	
Thallium	ug/L	ND	20.0	10/13/14 11:21	
Zinc	ug/L	ND	50.0	10/13/14 11:21	

LABORATORY CONTROL SAMPLE: 1457581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9720	97	85-115	
Antimony	ug/L	1000	965	96	85-115	
Arsenic	ug/L	1000	912	91	85-115	
Beryllium	ug/L	1000	1020	102	85-115	
Cadmium	ug/L	1000	943	94	85-115	
Chromium	ug/L	1000	937	94	85-115	
Cobalt	ug/L	1000	978	98	85-115	
Copper	ug/L	1000	944	94	85-115	
Iron	ug/L	10000	9730	97	85-115	
Lead	ug/L	1000	989	99	85-115	
Nickel	ug/L	1000	1020	102	85-115	
Selenium	ug/L	1000	972	97	85-115	
Silver	ug/L	500	479	96	85-115	
Thallium	ug/L	1000	966	97	85-115	
Zinc	ug/L	1000	983	98	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1457582												1457583	
Parameter	Units	60179932001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual	
			Spike Conc.	Spike Conc.									
Aluminum	ug/L	3100	50000	50000	53200	53000	100	100	70-130	0	8		
Antimony	ug/L	ND	5000	5000	4970	4970	99	99	70-130	0	7		
Arsenic	ug/L	299	5000	5000	5220	5240	98	99	70-130	0	10		
Beryllium	ug/L	ND	5000	5000	5060	4980	101	100	70-130	1	7		
Cadmium	ug/L	ND	5000	5000	4850	4820	97	96	70-130	1	10		
Chromium	ug/L	96.1	5000	5000	4800	4720	94	92	70-130	2	10		
Cobalt	ug/L	ND	5000	5000	4710	4650	94	93	70-130	1	6		
Copper	ug/L	ND	5000	5000	4780	4720	95	94	70-130	1	11		
Iron	ug/L	203000	50000	50000	274000	299000	142	191	70-130	9	10	M1	
Lead	ug/L	39.6	5000	5000	4610	4550	91	90	70-130	1	10		
Nickel	ug/L	64.0	5000	5000	4960	4900	98	97	70-130	1	10		
Selenium	ug/L	ND	5000	5000	5260	5230	105	104	70-130	1	10		
Silver	ug/L	ND	2500	2500	2520	2500	100	100	70-130	1	10		
Thallium	ug/L	ND	5000	5000	4230	4140	84	82	70-130	2	6		
Zinc	ug/L	2420	5000	5000	7460	7700	101	106	70-130	3	11		

MATRIX SPIKE SAMPLE: 1457584		60179929002	Spike	MS	MS	% Rec		
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
Aluminum	ug/L		1930	10000	12000	100	70-130	
Antimony	ug/L		ND	1000	976	98	70-130	
Arsenic	ug/L		ND	1000	955	95	70-130	
Beryllium	ug/L		ND	1000	1000	100	70-130	
Cadmium	ug/L		ND	1000	938	94	70-130	
Chromium	ug/L		ND	1000	920	92	70-130	
Cobalt	ug/L		ND	1000	925	92	70-130	
Copper	ug/L		ND	1000	920	92	70-130	
Iron	ug/L		1180	10000	10600	94	70-130	
Lead	ug/L		ND	1000	916	91	70-130	
Nickel	ug/L		ND	1000	966	96	70-130	
Selenium	ug/L		ND	1000	990	99	70-130	
Silver	ug/L		ND	500	491	98	70-130	
Thallium	ug/L		ND	1000	838	84	70-130	
Zinc	ug/L		ND	1000	958	95	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch: MPRP/29267

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60179932001

METHOD BLANK: 1457567

Matrix: Water

Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/13/14 11:14	
Antimony, Dissolved	ug/L	ND	10.0	10/13/14 11:14	
Arsenic, Dissolved	ug/L	ND	10.0	10/13/14 11:14	
Beryllium, Dissolved	ug/L	ND	1.0	10/13/14 11:14	
Cadmium, Dissolved	ug/L	ND	5.0	10/13/14 11:14	
Chromium, Dissolved	ug/L	ND	5.0	10/13/14 11:14	
Cobalt, Dissolved	ug/L	ND	5.0	10/13/14 11:14	
Copper, Dissolved	ug/L	ND	10.0	10/13/14 11:14	
Iron, Dissolved	ug/L	ND	50.0	10/13/14 11:14	
Lead, Dissolved	ug/L	ND	5.0	10/13/14 11:14	
Nickel, Dissolved	ug/L	ND	5.0	10/13/14 11:14	
Selenium, Dissolved	ug/L	ND	15.0	10/13/14 11:14	
Silver, Dissolved	ug/L	ND	7.0	10/13/14 11:14	
Thallium, Dissolved	ug/L	ND	20.0	10/13/14 11:14	
Zinc, Dissolved	ug/L	ND	50.0	10/13/14 11:14	

LABORATORY CONTROL SAMPLE: 1457568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9750	98	85-115	
Antimony, Dissolved	ug/L	1000	1000	100	85-115	
Arsenic, Dissolved	ug/L	1000	952	95	85-115	
Beryllium, Dissolved	ug/L	1000	971	97	85-115	
Cadmium, Dissolved	ug/L	1000	973	97	85-115	
Chromium, Dissolved	ug/L	1000	932	93	85-115	
Cobalt, Dissolved	ug/L	1000	992	99	85-115	
Copper, Dissolved	ug/L	1000	991	99	85-115	
Iron, Dissolved	ug/L	10000	9350	94	85-115	
Lead, Dissolved	ug/L	1000	988	99	85-115	
Nickel, Dissolved	ug/L	1000	1010	101	85-115	
Selenium, Dissolved	ug/L	1000	960	96	85-115	
Silver, Dissolved	ug/L	500	481	96	85-115	
Thallium, Dissolved	ug/L	1000	969	97	85-115	
Zinc, Dissolved	ug/L	1000	962	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1457569												1457570	
Parameter	Units	60179842001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual	
			Spike Conc.	Spike Conc.									
Aluminum, Dissolved	ug/L	ND	10000	10000	9800	9800	98	98	70-130	0	8		
Antimony, Dissolved	ug/L	ND	1000	1000	1020	1020	102	102	70-130	0	7		
Arsenic, Dissolved	ug/L	ND	1000	1000	968	964	96	96	70-130	0	10		
Beryllium, Dissolved	ug/L	ND	1000	1000	972	967	97	97	70-130	0	7		
Cadmium, Dissolved	ug/L	ND	1000	1000	981	976	98	98	70-130	1	10		
Chromium, Dissolved	ug/L	ND	1000	1000	915	909	91	91	70-130	1	10		
Cobalt, Dissolved	ug/L	ND	1000	1000	974	966	97	97	70-130	1	6		
Copper, Dissolved	ug/L	1.7J	1000	1000	1010	1010	101	100	70-130	0	11		
Iron, Dissolved	ug/L	ND	10000	10000	9220	9160	92	91	70-130	1	10		
Lead, Dissolved	ug/L	ND	1000	1000	982	970	98	97	70-130	1	10		
Nickel, Dissolved	ug/L	ND	1000	1000	992	982	99	98	70-130	1	10		
Selenium, Dissolved	ug/L	ND	1000	1000	980	967	98	97	70-130	1	10		
Silver, Dissolved	ug/L	ND	500	500	484	482	97	96	70-130	0	10		
Thallium, Dissolved	ug/L	3.8J	1000	1000	960	949	96	95	70-130	1	6		
Zinc, Dissolved	ug/L	ND	1000	1000	939	930	93	92	70-130	1	11		

MATRIX SPIKE SAMPLE: 1457571		60179932001	Spike	MS	MS	% Rec		
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
Aluminum, Dissolved	ug/L		ND	50000	50700	101	70-130	
Antimony, Dissolved	ug/L		ND	5000	5300	106	70-130	
Arsenic, Dissolved	ug/L		214	5000	5250	101	70-130	
Beryllium, Dissolved	ug/L		ND	5000	4990	100	70-130	
Cadmium, Dissolved	ug/L		ND	5000	5060	101	70-130	
Chromium, Dissolved	ug/L		48.1	5000	4710	93	70-130	
Cobalt, Dissolved	ug/L		ND	5000	4990	100	70-130	
Copper, Dissolved	ug/L		ND	5000	5260	105	70-130	
Iron, Dissolved	ug/L		37000	50000	78400	83	70-130	
Lead, Dissolved	ug/L		ND	5000	4830	96	70-130	
Nickel, Dissolved	ug/L		49.6	5000	5020	99	70-130	
Selenium, Dissolved	ug/L		ND	5000	5240	105	70-130	
Silver, Dissolved	ug/L		ND	2500	2510	100	70-130	
Thallium, Dissolved	ug/L		ND	5000	4530	91	70-130	
Zinc, Dissolved	ug/L		ND	5000	4920	95	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch: MSV/64975 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60179932001, 60179932002

METHOD BLANK: 1457441 Matrix: Water

Associated Lab Samples: 60179932001, 60179932002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/10/14 12:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/10/14 12:48	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/10/14 12:48	
1,2-Dichloroethane	ug/L	ND	1.0	10/10/14 12:48	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/10/14 12:48	
2-Butanone (MEK)	ug/L	ND	10.0	10/10/14 12:48	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/10/14 12:48	N2
Acetone	ug/L	ND	10.0	10/10/14 12:48	N2
Benzene	ug/L	ND	1.0	10/10/14 12:48	
Bromodichloromethane	ug/L	ND	1.0	10/10/14 12:48	
Bromoform	ug/L	ND	1.0	10/10/14 12:48	
Bromomethane	ug/L	ND	5.0	10/10/14 12:48	
Carbon tetrachloride	ug/L	ND	1.0	10/10/14 12:48	
Chloroethane	ug/L	ND	1.0	10/10/14 12:48	
Chloroform	ug/L	ND	1.0	10/10/14 12:48	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/10/14 12:48	N2
Ethylbenzene	ug/L	ND	1.0	10/10/14 12:48	
Methylene chloride	ug/L	ND	1.0	10/10/14 12:48	
Tetrachloroethene	ug/L	ND	1.0	10/10/14 12:48	
Toluene	ug/L	ND	1.0	10/10/14 12:48	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/10/14 12:48	
Trichloroethene	ug/L	ND	1.0	10/10/14 12:48	
Vinyl chloride	ug/L	ND	1.0	10/10/14 12:48	
Xylene (Total)	ug/L	ND	3.0	10/10/14 12:48	N2
1,2-Dichloroethane-d4 (S)	%	102	80-120	10/10/14 12:48	
4-Bromofluorobenzene (S)	%	103	80-120	10/10/14 12:48	
Toluene-d8 (S)	%	99	80-120	10/10/14 12:48	

LABORATORY CONTROL SAMPLE: 1457442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.5	98	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	22.8	114	67-127	N2
1,1,2-Trichloroethane	ug/L	20	21.9	109	67-124	
1,2-Dichloroethane	ug/L	20	20.4	102	70-126	
1,4-Dichlorobenzene	ug/L	20	22.2	111	74-120	
2-Butanone (MEK)	ug/L	100	96.3	96	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	59-131	N2
Acetone	ug/L	100	95.3	95	38-134	N2
Benzene	ug/L	20	20.4	102	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

LABORATORY CONTROL SAMPLE: 1457442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.8	104	68-125	
Bromoform	ug/L	20	22.8	114	65-127	
Bromomethane	ug/L	20	23.2	116	13-157	
Carbon tetrachloride	ug/L	20	19.6	98	70-131	
Chloroethane	ug/L	20	20.1	100	47-133	
Chloroform	ug/L	20	19.7	99	65-127	
cis-1,2-Dichloroethene	ug/L	20	19.9	99	68-127	N2
Ethylbenzene	ug/L	20	21.6	108	74-122	
Methylene chloride	ug/L	20	19.2	96	64-129	
Tetrachloroethene	ug/L	20	21.6	108	73-125	
Toluene	ug/L	20	20.1	101	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.2	101	66-129	
Trichloroethene	ug/L	20	19.1	96	71-123	
Vinyl chloride	ug/L	20	22.8	114	43-129	
Xylene (Total)	ug/L	60	65.6	109	75-121	N2
1,2-Dichloroethane-d4 (S)	%			97	80-120	
4-Bromofluorobenzene (S)	%			102	80-120	
Toluene-d8 (S)	%			97	80-120	

MATRIX SPIKE SAMPLE: 1457443

Parameter	Units	60179932001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L		ND	2000	2050	102	52-155
1,1,2,2-Tetrachloroethane	ug/L		ND	2000	2090	104	46-146 N2
1,1,2-Trichloroethane	ug/L		ND	2000	2020	101	52-143
1,2-Dichloroethane	ug/L		ND	2000	1920	96	49-144
1,4-Dichlorobenzene	ug/L		ND	2000	2230	111	33-140
2-Butanone (MEK)	ug/L	14800	10000	23400	86	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L		ND	10000	9550	94	40-160 N2
Acetone	ug/L	39700	10000	48500	88	10-160	N2
Benzene	ug/L		ND	2000	2040	102	37-151
Bromodichloromethane	ug/L		ND	2000	1980	99	35-142
Bromoform	ug/L		ND	2000	2130	107	45-142
Bromomethane	ug/L		ND	2000	2160	108	10-158
Carbon tetrachloride	ug/L		ND	2000	2130	107	70-140
Chloroethane	ug/L		ND	2000	2010	101	19-152
Chloroform	ug/L		ND	2000	1930	96	51-138
cis-1,2-Dichloroethene	ug/L		ND	2000	1930	97	34-147 N2
Ethylbenzene	ug/L		ND	2000	2210	110	40-142
Methylene chloride	ug/L		ND	2000	1910	94	31-144
Tetrachloroethene	ug/L		ND	2000	2220	111	64-148
Toluene	ug/L		ND	2000	2040	102	47-150
trans-1,2-Dichloroethene	ug/L		ND	2000	2060	103	54-151
Trichloroethene	ug/L		ND	2000	2000	100	71-149
Vinyl chloride	ug/L		ND	2000	2490	125	22-146

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

MATRIX SPIKE SAMPLE:		1457443					
Parameter	Units	60179932001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6820	114	37-144	N2
1,2-Dichloroethane-d4 (S)	%				93	80-120	
4-Bromofluorobenzene (S)	%				100	80-120	HS
Toluene-d8 (S)	%				98	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch:	OEXT/46631	Analysis Method:	EPA 625
QC Batch Method:	EPA 625	Analysis Description:	625 MSS
Associated Lab Samples:	60179932001		

METHOD BLANK: 1459520 Matrix: Water

Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/15/14 14:25	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/15/14 14:25	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/15/14 14:25	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/15/14 14:25	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/15/14 14:25	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/15/14 14:25	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/15/14 14:25	
Hexachloroethane	ug/L	ND	5.0	10/15/14 14:25	
Naphthalene	ug/L	ND	5.0	10/15/14 14:25	
Nitrobenzene	ug/L	ND	5.0	10/15/14 14:25	
Pentachlorophenol	ug/L	ND	5.0	10/15/14 14:25	
Phenol	ug/L	ND	5.0	10/15/14 14:25	
2,4,6-Tribromophenol (S)	%	88	39-120	10/15/14 14:25	
2-Fluorobiphenyl (S)	%	86	39-120	10/15/14 14:25	
2-Fluorophenol (S)	%	52	17-120	10/15/14 14:25	
Nitrobenzene-d5 (S)	%	85	33-120	10/15/14 14:25	
Phenol-d6 (S)	%	31	11-120	10/15/14 14:25	
Terphenyl-d14 (S)	%	103	45-120	10/15/14 14:25	

LABORATORY CONTROL SAMPLE: 1459521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	40.5	81	46-120	
2,4,6-Trichlorophenol	ug/L	50	41.7	83	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	37.6	75	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	34.6	69	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	46.5	93	40-133	
Hexachloro-1,3-butadiene	ug/L	50	41.2	82	44-116	
Hexachlorocyclopentadiene	ug/L	100	41.9	42	24-120	
Hexachloroethane	ug/L	50	42.8	86	43-113	
Naphthalene	ug/L	50	42.6	85	48-120	
Nitrobenzene	ug/L	50	46.0	92	48-120	
Pentachlorophenol	ug/L	50	47.0	94	47-120	
Phenol	ug/L	50	17.8	36	16-112	
2,4,6-Tribromophenol (S)	%			92	39-120	
2-Fluorobiphenyl (S)	%			88	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			89	33-120	
Phenol-d6 (S)	%			31	11-120	
Terphenyl-d14 (S)	%			91	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

MATRIX SPIKE SAMPLE:	1459522	60179932001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3490	70	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	3940	79	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3510	70	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	2470	5000	5320	57	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	4200	84	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3540	71	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	3850	38	11-120	
Hexachloroethane	ug/L	ND	5000	3570	71	40-113	
Naphthalene	ug/L	ND	5000	3740	75	45-120	
Nitrobenzene	ug/L	ND	5000	4000	80	38-120	
Pentachlorophenol	ug/L	ND	5000	4370	87	43-135	
Phenol	ug/L	4060	5000	5060	20	13-112	
2,4,6-Tribromophenol (S)	%				84	39-120	
2-Fluorobiphenyl (S)	%				76	39-120	
2-Fluorophenol (S)	%				44	17-120	
Nitrobenzene-d5 (S)	%				82	33-120	
Phenol-d6 (S)	%				31	11-120	
Terphenyl-d14 (S)	%				82	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch: WET/50886

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60179932001

METHOD BLANK: 1459586

Matrix: Water

Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/14/14 16:09	

LABORATORY CONTROL SAMPLE: 1459587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.8	100	78-114	

MATRIX SPIKE SAMPLE: 1459589

Parameter	Units	60179524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	41.2	38.0	89	78-114	

SAMPLE DUPLICATE: 1459588

Parameter	Units	60179727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	101	89.5	12	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch: WET/50887

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 SGT-HEM, TPH

Associated Lab Samples: 60179932001

METHOD BLANK: 1459597

Matrix: Water

Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/14/14 16:15	

LABORATORY CONTROL SAMPLE: 1459598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.8	119	64-132	

MATRIX SPIKE SAMPLE: 1459600

Parameter	Units	60179524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	15.6	67	64-132	

SAMPLE DUPLICATE: 1459599

Parameter	Units	60179727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	16.4	17.2	5	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch:	WET/50846	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60179932001		

METHOD BLANK: 1458885 Matrix: Water
Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/13/14 08:52	

SAMPLE DUPLICATE: 1458886

Parameter	Units	60179950001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	7.0	9.0	25	10	D6

SAMPLE DUPLICATE: 1458887

Parameter	Units	60179714002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	372	388	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch: WET/50837 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60179932001

SAMPLE DUPLICATE: 1458420

Parameter	Units	60179608001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch: WET/50822

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60179932001

METHOD BLANK: 1457791

Matrix: Water

Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/15/14 13:29	

LABORATORY CONTROL SAMPLE: 1457792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	182	92	85-115	

SAMPLE DUPLICATE: 1457793

Parameter	Units	60179956001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	1020	998	2	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch: WETA/31313

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60179932001

METHOD BLANK: 1458950

Matrix: Water

Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/13/14 12:40	

LABORATORY CONTROL SAMPLE: 1458951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 1458952

Parameter	Units	60179847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.3	2	5.8	74	90-110	M1

SAMPLE DUPLICATE: 1458953

Parameter	Units	60178889001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.042J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

QC Batch:	WETA/31329	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60179932001		

METHOD BLANK: 1459485 Matrix: Water
Associated Lab Samples: 60179932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/15/14 08:52	

LABORATORY CONTROL SAMPLE: 1459486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	50.4	101	90-110	

MATRIX SPIKE SAMPLE: 1459487

Parameter	Units	60178781001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	332	250	564	93	90-110	

MATRIX SPIKE SAMPLE: 1459489

Parameter	Units	60179858001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	16.8	50	60.6	88	90-110	M1

SAMPLE DUPLICATE: 1459488

Parameter	Units	60180063001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	20400	20600	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-031

Pace Project No.: 60179932

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179932001	T1-031	EPA 200.7	MPRP/29270	EPA 200.7	ICP/22006
60179932001	T1-031	EPA 200.7	MPRP/29267	EPA 200.7	ICP/22005
60179932001	T1-031	EPA 245.1	MERP/8907	EPA 245.1	MERC/8861
60179932001	T1-031	EPA 245.1	MERP/8917	EPA 245.1	MERC/8870
60179932001	T1-031	EPA 625	OEXT/46631	EPA 625	MSSV/14988
60179932001	T1-031	EPA 624 Low	MSV/64975		
60179932002	TRIP BLANK	EPA 624 Low	MSV/64975		
60179932001	T1-031	EPA 1664A	WET/50886		
60179932001	T1-031	EPA 1664A	WET/50887		
60179932001	T1-031	SM 2540D	WET/50846		
60179932001	T1-031	SM 4500-H+B	WET/50837		
60179932001	T1-031	SM 5210B	WET/50822	SM 5210B	WET/50925
60179932001	T1-031	EPA 350.1	WETA/31313		
60179932001	T1-031	EPA 410.4	WETA/31329		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60179932



60179932

Client Name: Barr Eng

Courier: Fed Ex UPS USPS Client Commercial Pace Other XRoads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun. (circle one)

Cooler Temperature: 2A

Date and initials of person examining contents: UWS 10/10/14 075

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>pH, BOD</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>water</u>		13.
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. <u>BPN + BPS not able to be preserved.</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>UWS</u> Lot # of added preservative
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): <u>MP</u>		15.
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16. <u>headspace in all sample vials 5ml</u> <u>COMMENT APPLIED.</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State <u>MD</u>

Client Notification/ Resolution: Copy COC to Client? Y N Field Data Required? Y N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 10/10/14

October 27, 2014

DEREK BOUCHARD
REPUBLIC SERVICES
13570 ST CHARLES ROCK RD
Bridgeton, MO 63044


RE: Project: BRIDGETON 4337
Pace Project No.: 60179953

Dear DEREK BOUCHARD:

Enclosed are the analytical results for sample(s) received by the laboratory on October 10, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: KEVIN KAMP, CEC



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON 4337

Pace Project No.: 60179953

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):

E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):

02006

Oklahoma Department of Environmental Quality: 2010-

139

Oregon Environmental Laboratory Accreditation:

LA200001

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-

00119

Washington Department of Ecology: C2078

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON 4337

Pace Project No.: 60179953

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60179953001	SLUDGE TRUCK #6	Solid	10/09/14 10:00	10/10/14 03:00
60179953002	SLUDGE TRUCK #6	Solid	10/09/14 10:00	10/10/14 03:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON 4337

Pace Project No.: 60179953

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60179953001	SLUDGE TRUCK #6	EPA 8081A	SLF	9	PASI-N
		EPA 8151	SPP1	3	PASI-N
		EPA 6010	TDS	7	PASI-K
		EPA 7470	ZBM	1	PASI-K
		EPA 8270	JMT	18	PASI-K
		ASTM D2974	DWC	1	PASI-K
		SM 2540G	MER	1	PASI-K
		SW-846 7.3.4.2	LJL	1	PASI-N
		EPA 9045	ESM	1	PASI-K
		EPA 9095	AJM	1	PASI-K
		ASTM D92	JML	1	PASI-K
		EPA 300.0	OL	1	PASI-K
		SW-846 7.3.3.2	TAE	1	PASI-N
		EPA 9023	JRP	1	PASI-N
		EPA 9065	SMS2	1	PASI-N
60179953002	SLUDGE TRUCK #6	EPA 8082	JDH	8	PASI-K
		EPA 8260	JKL	13	PASI-K
		ASTM D2974	DWC	1	PASI-K

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60179953

Sample: SLUDGE TRUCK #6 **Lab ID: 60179953001** Collected: 10/09/14 10:00 Received: 10/10/14 03:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 OCC Pesticide, TCLP SPE								
Analytical Method: EPA 8081A Preparation Method: EPA 3535								
Leachate Method/Date: EPA 1311; 10/16/14 17:00								
gamma-BHC (Lindane)	ND mg/L		0.00050	1	10/17/14 13:30	10/23/14 19:28	58-89-9	
Chlordane (Technical)	ND mg/L		0.0050	1	10/17/14 13:30	10/23/14 19:28	57-74-9	
Endrin	ND mg/L		0.0010	1	10/17/14 13:30	10/23/14 19:28	72-20-8	
Heptachlor	ND mg/L		0.00050	1	10/17/14 13:30	10/23/14 19:28	76-44-8	
Heptachlor epoxide	ND mg/L		0.00050	1	10/17/14 13:30	10/23/14 19:28	1024-57-3	
Methoxychlor	ND mg/L		0.0050	1	10/17/14 13:30	10/23/14 19:28	72-43-5	
Toxaphene	ND mg/L		0.020	1	10/17/14 13:30	10/23/14 19:28	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	59 %.		10-119	1	10/17/14 13:30	10/23/14 19:28	877-09-8	
Tetrachloro-m-xylene (S)	70 %.		10-119	1	10/17/14 13:30	10/23/14 19:28	877-09-8	
Decachlorobiphenyl (S)	92 %.		14-126	1	10/17/14 13:30	10/23/14 19:28	2051-24-3	
Decachlorobiphenyl (S)	84 %.		14-126	1	10/17/14 13:30	10/23/14 19:28	2051-24-3	
8151A CI Herbicides TCLP								
Analytical Method: EPA 8151 Preparation Method: EPA 3535A								
Leachate Method/Date: EPA 1311; 10/16/14 17:00								
2,4-D	ND mg/L		0.020	1	10/17/14 13:29	10/20/14 17:02	94-75-7	
2,4,5-TP (Silvex)	ND mg/L		0.020	1	10/17/14 13:29	10/20/14 17:02	93-72-1	
Surrogates								
2,4-DCAA (S)	73 %.		10-166	1	10/17/14 13:29	10/20/14 17:02	19719-28-9	
2,4-DCAA (S)	75 %.		10-166	1	10/17/14 13:29	10/20/14 17:02	19719-28-9	
6010 MET ICP, TCLP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Leachate Method/Date: EPA 1311; 10/13/14 00:00								
Arsenic	ND mg/L		0.50	1	10/14/14 11:00	10/15/14 12:01	7440-38-2	
Barium	ND mg/L		2.5	1	10/14/14 11:00	10/15/14 12:01	7440-39-3	
Cadmium	ND mg/L		0.050	1	10/14/14 11:00	10/15/14 12:01	7440-43-9	
Chromium	ND mg/L		0.10	1	10/14/14 11:00	10/15/14 12:01	7440-47-3	
Lead	ND mg/L		0.50	1	10/14/14 11:00	10/15/14 12:01	7439-92-1	
Selenium	ND mg/L		0.50	1	10/14/14 11:00	10/15/14 12:01	7782-49-2	
Silver	ND mg/L		0.10	1	10/14/14 11:00	10/15/14 12:01	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Leachate Method/Date: EPA 1311; 10/13/14 00:00								
Mercury	ND mg/L		0.0020	1	10/15/14 09:05	10/15/14 14:52	7439-97-6	
8270 MSSV TCLP Sep Funnel								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Leachate Method/Date: EPA 1311; 10/13/14 00:00								
1,4-Dichlorobenzene	ND ug/L		100	1	10/14/14 00:00	10/15/14 18:33	106-46-7	
2,4-Dinitrotoluene	ND ug/L		100	1	10/14/14 00:00	10/15/14 18:33	121-14-2	
Hexachloro-1,3-butadiene	ND ug/L		100	1	10/14/14 00:00	10/15/14 18:33	87-68-3	
Hexachlorobenzene	ND ug/L		100	1	10/14/14 00:00	10/15/14 18:33	118-74-1	
Hexachloroethane	ND ug/L		100	1	10/14/14 00:00	10/15/14 18:33	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		100	1	10/14/14 00:00	10/15/14 18:33	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		200	1	10/14/14 00:00	10/15/14 18:33		
Nitrobenzene	ND ug/L		100	1	10/14/14 00:00	10/15/14 18:33	98-95-3	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60179953

Sample: SLUDGE TRUCK #6 **Lab ID: 60179953001** Collected: 10/09/14 10:00 Received: 10/10/14 03:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Leachate Method/Date: EPA 1311; 10/13/14 00:00						
Pentachlorophenol	ND	ug/L	500	1	10/14/14 00:00	10/15/14 18:33	87-86-5	
Pyridine	ND	ug/L	100	1	10/14/14 00:00	10/15/14 18:33	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	1	10/14/14 00:00	10/15/14 18:33	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	10/14/14 00:00	10/15/14 18:33	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	79	%	44-120	1	10/14/14 00:00	10/15/14 18:33	4165-60-0	
2-Fluorobiphenyl (S)	75	%	49-120	1	10/14/14 00:00	10/15/14 18:33	321-60-8	
Terphenyl-d14 (S)	86	%	52-122	1	10/14/14 00:00	10/15/14 18:33	1718-51-0	
Phenol-d6 (S)	51	%	36-120	1	10/14/14 00:00	10/15/14 18:33	13127-88-3	
2-Fluorophenol (S)	65	%	37-120	1	10/14/14 00:00	10/15/14 18:33	367-12-4	
2,4,6-Tribromophenol (S)	75	%	36-128	1	10/14/14 00:00	10/15/14 18:33	118-79-6	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	76.6	%	0.50	1		10/13/14 00:00		
2540G Total Percent Solids		Analytical Method: SM 2540G						
Total Solids	23.1	%	0.10	1		10/16/14 15:04		
Reactive Sulfide		Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2						
Sulfide, Reactive	ND	mg/kg	50.0	1	10/20/14 13:58	10/20/14 15:29		
9045 pH Soil		Analytical Method: EPA 9045						
pH at 25 Degrees C	7.1	Std. Units	0.10	1		10/14/14 15:30		H1
9095 Paint Filter Liquid Test		Analytical Method: EPA 9095						
Free Liquids	negative			1		10/16/14 10:30		
Flashpoint, Open Cup		Analytical Method: ASTM D92						
Flashpoint	>210	deg F		1		10/16/14 09:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Sulfate	1320	mg/kg	422	10	10/15/14 12:00	10/15/14 17:16	14808-79-8	
733C S Reactive Cyanide		Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2						
Cyanide, Reactive	ND	mg/kg	25.0	1	10/20/14 13:57	10/20/14 15:48		
9023 Ext. Organic Halides EOX		Analytical Method: EPA 9023 Preparation Method: EPA 9023						
Extractable Organic Halogens	349	mg/kg	205	1	10/23/14 11:00	10/23/14 13:41		
9065 Phenolics, Total		Analytical Method: EPA 9065 Preparation Method: EPA 9065						
Phenolics, Total Recoverable	14.3	mg/kg	0.58	1	10/17/14 16:23	10/18/14 09:32		M6

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60179953

Sample: SLUDGE TRUCK #6 **Lab ID: 60179953002** Collected: 10/09/14 10:00 Received: 10/10/14 03:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND	ug/kg	141	1	10/13/14 00:00	10/15/14 20:34	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	282	1	10/13/14 00:00	10/15/14 20:34	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	141	1	10/13/14 00:00	10/15/14 20:34	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	141	1	10/13/14 00:00	10/15/14 20:34	53469-21-9	
PCB-1248 (Aroclor 1248)	223	ug/kg	141	1	10/13/14 00:00	10/15/14 20:34	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	141	1	10/13/14 00:00	10/15/14 20:34	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	141	1	10/13/14 00:00	10/15/14 20:34	11096-82-5	CL
Surrogates								
Decachlorobiphenyl (S)	50 %		38-119	1	10/13/14 00:00	10/15/14 20:34	2051-24-3	CL
8260 MSV TCLP		Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 10/14/14 00:00						
Benzene	ND	ug/L	50.0	1		10/16/14 15:11	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000	1		10/16/14 15:11	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	1		10/16/14 15:11	56-23-5	
Chlorobenzene	ND	ug/L	50.0	1		10/16/14 15:11	108-90-7	
Chloroform	ND	ug/L	200	1		10/16/14 15:11	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	1		10/16/14 15:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	1		10/16/14 15:11	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	1		10/16/14 15:11	127-18-4	
Trichloroethene	ND	ug/L	50.0	1		10/16/14 15:11	79-01-6	
Vinyl chloride	ND	ug/L	20.0	1		10/16/14 15:11	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	116 %		80-120	1		10/16/14 15:11	17060-07-0	
Toluene-d8 (S)	101 %		80-120	1		10/16/14 15:11	2037-26-5	
4-Bromofluorobenzene (S)	99 %		80-120	1		10/16/14 15:11	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	76.6	%	0.50	1		10/13/14 00:00		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch: MERP/8911

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury TCLP

Associated Lab Samples: 60179953001

METHOD BLANK: 1459953

Matrix: Water

Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.0020	10/15/14 14:43	

LABORATORY CONTROL SAMPLE: 1459954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.005	0.0049	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1459955 1459956

Parameter	Units	60179953001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Mercury	mg/L	ND	.015	.015	0.013	0.013	86	84	75-125	2	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337
Pace Project No.: 60179953

QC Batch: MPRP/29311 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 60179953001

METHOD BLANK: 1459797 Matrix: Water
Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.50	10/15/14 11:57	
Barium	mg/L	ND	2.5	10/15/14 11:57	
Cadmium	mg/L	ND	0.050	10/15/14 11:57	
Chromium	mg/L	ND	0.10	10/15/14 11:57	
Lead	mg/L	ND	0.50	10/15/14 11:57	
Selenium	mg/L	ND	0.50	10/15/14 11:57	
Silver	mg/L	ND	0.10	10/15/14 11:57	

LABORATORY CONTROL SAMPLE: 1459798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	0.95	95	80-120	
Barium	mg/L	1	0.97	97	80-120	
Cadmium	mg/L	1	0.97	97	80-120	
Chromium	mg/L	1	0.99	99	80-120	
Lead	mg/L	1	1.0	100	80-120	
Selenium	mg/L	1	0.99	99	80-120	
Silver	mg/L	.5	0.49	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1459799 1459800

Parameter	Units	60179953001		1459800		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Arsenic	mg/L	ND	10	9.7	9.8	97	98	75-125	1	20	
Barium	mg/L	ND	10	9.8	9.8	97	97	75-125	0	20	
Cadmium	mg/L	ND	10	9.7	9.8	97	98	75-125	1	20	
Chromium	mg/L	ND	10	9.7	9.7	97	97	75-125	0	20	
Lead	mg/L	ND	10	9.7	9.8	97	97	75-125	0	20	
Selenium	mg/L	ND	10	9.5	9.7	95	97	75-125	3	20	
Silver	mg/L	ND	5	4.8	4.8	96	96	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch: MSV/65106

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV TCLP

Associated Lab Samples: 60179953002

METHOD BLANK: 1461317

Matrix: Water

Associated Lab Samples: 60179953002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	10/16/14 14:56	
1,2-Dichloroethane	ug/L	ND	50.0	10/16/14 14:56	
2-Butanone (MEK)	ug/L	ND	1000	10/16/14 14:56	
Benzene	ug/L	ND	50.0	10/16/14 14:56	
Carbon tetrachloride	ug/L	ND	50.0	10/16/14 14:56	
Chlorobenzene	ug/L	ND	50.0	10/16/14 14:56	
Chloroform	ug/L	ND	200	10/16/14 14:56	
Tetrachloroethene	ug/L	ND	50.0	10/16/14 14:56	
Trichloroethene	ug/L	ND	50.0	10/16/14 14:56	
Vinyl chloride	ug/L	ND	20.0	10/16/14 14:56	
1,2-Dichloroethane-d4 (S)	%	96	80-120	10/16/14 14:56	
4-Bromofluorobenzene (S)	%	100	80-120	10/16/14 14:56	
Toluene-d8 (S)	%	100	80-120	10/16/14 14:56	

LABORATORY CONTROL SAMPLE: 1461318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	1000	1150	115	78-126	
1,2-Dichloroethane	ug/L	1000	968	97	77-123	
2-Butanone (MEK)	ug/L	5000	4410	88	52-145	
Benzene	ug/L	1000	1010	101	80-120	
Carbon tetrachloride	ug/L	1000	1120	112	78-128	
Chlorobenzene	ug/L	1000	1010	101	80-120	
Chloroform	ug/L	1000	1050	105	79-120	
Tetrachloroethene	ug/L	1000	1080	108	80-121	
Trichloroethene	ug/L	1000	1110	111	80-120	
Vinyl chloride	ug/L	1000	1120	112	59-120	
1,2-Dichloroethane-d4 (S)	%			93	80-120	
4-Bromofluorobenzene (S)	%			104	80-120	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE SAMPLE: 1461319

Parameter	Units	60179953002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	1000	822	82	60-144	
1,2-Dichloroethane	ug/L	ND	1000	945	94	49-148	
2-Butanone (MEK)	ug/L	ND	5000	4780	91	36-145	
Benzene	ug/L	ND	1000	866	87	37-157	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

MATRIX SPIKE SAMPLE:		1461319						
Parameter	Units	60179953002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers	
Carbon tetrachloride	ug/L	ND	1000	771	77	68-142		
Chlorobenzene	ug/L	ND	1000	890	89	66-133		
Chloroform	ug/L	ND	1000	949	95	66-127		
Tetrachloroethene	ug/L	ND	1000	874	87	69-133		
Trichloroethene	ug/L	ND	1000	935	94	61-135		
Vinyl chloride	ug/L	ND	1000	622	62	44-128		
1,2-Dichloroethane-d4 (S)	%				95	80-120		
4-Bromofluorobenzene (S)	%				97	80-120		
Toluene-d8 (S)	%				102	80-120		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337
Pace Project No.: 60179953

QC Batch: OEXT/3144 Analysis Method: EPA 8081A
QC Batch Method: EPA 3535 Analysis Description: 8081A GCS TCLP Pesticides
Associated Lab Samples: 60179953001

METHOD BLANK: 62490 Matrix: Water
Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	10/23/14 18:30	
Endrin	mg/L	ND	0.0010	10/23/14 18:30	
gamma-BHC (Lindane)	mg/L	ND	0.00050	10/23/14 18:30	
Heptachlor	mg/L	ND	0.00050	10/23/14 18:30	
Heptachlor epoxide	mg/L	ND	0.00050	10/23/14 18:30	
Methoxychlor	mg/L	ND	0.0050	10/23/14 18:30	
Toxaphene	mg/L	ND	0.020	10/23/14 18:30	
Decachlorobiphenyl (S)	%	85	14-126	10/23/14 18:30	
Decachlorobiphenyl (S)	%	87	14-126	10/23/14 18:30	
Tetrachloro-m-xylene (S)	%	54	10-119	10/23/14 18:30	
Tetrachloro-m-xylene (S)	%	58	10-119	10/23/14 18:30	

METHOD BLANK: 62686 Matrix: Water
Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	10/23/14 18:59	
Endrin	mg/L	ND	0.0010	10/23/14 18:59	
gamma-BHC (Lindane)	mg/L	ND	0.00050	10/23/14 18:59	
Heptachlor	mg/L	ND	0.00050	10/23/14 18:59	
Heptachlor epoxide	mg/L	ND	0.00050	10/23/14 18:59	
Methoxychlor	mg/L	ND	0.0050	10/23/14 18:59	
Toxaphene	mg/L	ND	0.020	10/23/14 18:59	
Decachlorobiphenyl (S)	%	76	14-126	10/23/14 18:59	
Decachlorobiphenyl (S)	%	78	14-126	10/23/14 18:59	
Tetrachloro-m-xylene (S)	%	54	10-119	10/23/14 18:59	
Tetrachloro-m-xylene (S)	%	59	10-119	10/23/14 18:59	

LABORATORY CONTROL SAMPLE: 62869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	.005	0.0039	77	20-153	
gamma-BHC (Lindane)	mg/L	.005	0.0040	80	28-128	
Heptachlor	mg/L	.005	0.0022	45	10-115	
Heptachlor epoxide	mg/L	.005	0.0036	72	30-119	
Methoxychlor	mg/L	.005	.003J	59	21-150	
Decachlorobiphenyl (S)	%			88	14-126	
Decachlorobiphenyl (S)	%			87	14-126	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

LABORATORY CONTROL SAMPLE: 62869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloro-m-xylene (S)	%.			63	10-119	
Tetrachloro-m-xylene (S)	%.			67	10-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 62870 62871

Parameter	Units	60179953001		62870		62871		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Endrin	mg/L	ND	.005	.005	0.0046	0.0041	91	82	22-160	11	20			
gamma-BHC (Lindane)	mg/L	ND	.005	.005	0.0045	0.0039	89	78	17-149	14	20			
Heptachlor	mg/L	ND	.005	.005	0.0025	0.0024	50	48	10-134	6	20			
Heptachlor epoxide	mg/L	ND	.005	.005	0.0041	0.0036	80	71	13-147	12	20			
Methoxychlor	mg/L	ND	.005	.005	.0037J	.0033J	75	66	17-166		20			
Decachlorobiphenyl (S)	%.						87	79	14-126					
Decachlorobiphenyl (S)	%.						85	93	14-126					
Tetrachloro-m-xylene (S)	%.						61	56	10-119					
Tetrachloro-m-xylene (S)	%.						75	66	10-119					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch: OEXT/46604

Analysis Method: EPA 8082

QC Batch Method: EPA 3546

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 60179953002

METHOD BLANK: 1458825

Matrix: Solid

Associated Lab Samples: 60179953002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	31.7	10/15/14 18:32	
PCB-1221 (Aroclor 1221)	ug/kg	ND	63.5	10/15/14 18:32	
PCB-1232 (Aroclor 1232)	ug/kg	ND	31.7	10/15/14 18:32	
PCB-1242 (Aroclor 1242)	ug/kg	ND	31.7	10/15/14 18:32	
PCB-1248 (Aroclor 1248)	ug/kg	ND	31.7	10/15/14 18:32	
PCB-1254 (Aroclor 1254)	ug/kg	ND	31.7	10/15/14 18:32	
PCB-1260 (Aroclor 1260)	ug/kg	ND	31.7	10/15/14 18:32	
Decachlorobiphenyl (S)	%	101	38-119	10/15/14 18:32	

LABORATORY CONTROL SAMPLE: 1458826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	163	162	99	71-122	
PCB-1260 (Aroclor 1260)	ug/kg	163	162	100	75-117	
Decachlorobiphenyl (S)	%			94	38-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1458827 1458828

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result								
PCB-1016 (Aroclor 1016)	ug/kg	38.65	195	193	165	160	85	83	20-160	3	35		
PCB-1260 (Aroclor 1260)	ug/kg	38.65	195	193	140	127	72	66	17-160	10	34	CL	
Decachlorobiphenyl (S)	%						69	64	38-119			CL	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337
Pace Project No.: 60179953

QC Batch: OEXT/3145 Analysis Method: EPA 8151
QC Batch Method: EPA 3535A Analysis Description: 8151 GCS TCLP Herbicides
Associated Lab Samples: 60179953001

METHOD BLANK: 62490 Matrix: Water
Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.020	10/20/14 15:58	
2,4-D	mg/L	ND	0.020	10/20/14 15:58	
2,4-DCAA (S)	%.	88	10-166	10/20/14 15:58	
2,4-DCAA (S)	%.	94	10-166	10/20/14 15:58	

METHOD BLANK: 62686 Matrix: Water
Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.020	10/20/14 16:30	
2,4-D	mg/L	ND	0.020	10/20/14 16:30	
2,4-DCAA (S)	%.	65	10-166	10/20/14 16:30	
2,4-DCAA (S)	%.	75	10-166	10/20/14 16:30	

LABORATORY CONTROL SAMPLE: 62873

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.04	0.030	74	22-158	
2,4-D	mg/L	.04	0.028	71	10-151	
2,4-DCAA (S)	%.			77	10-166	
2,4-DCAA (S)	%.			84	10-166	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 62874 62875

Parameter	Units	60179953001		62875		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
2,4,5-TP (Silvex)	mg/L	ND	.04	0.029	0.034	71	85	16-164	18	20	
2,4-D	mg/L	ND	.04	0.031	0.038	77	95	10-160	20	20	
2,4-DCAA (S)	%.					84	92	10-166			
2,4-DCAA (S)	%.					86	92	10-166			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch: OEXT/46633

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 TCLP MSSV

Associated Lab Samples: 60179953001

METHOD BLANK: 1459724

Matrix: Water

Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	10/15/14 16:50	
2,4,5-Trichlorophenol	ug/L	ND	500	10/15/14 16:50	
2,4,6-Trichlorophenol	ug/L	ND	100	10/15/14 16:50	
2,4-Dinitrotoluene	ug/L	ND	100	10/15/14 16:50	
2-Methylphenol(o-Cresol)	ug/L	ND	100	10/15/14 16:50	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	10/15/14 16:50	
Hexachloro-1,3-butadiene	ug/L	ND	100	10/15/14 16:50	
Hexachlorobenzene	ug/L	ND	100	10/15/14 16:50	
Hexachloroethane	ug/L	ND	100	10/15/14 16:50	
Nitrobenzene	ug/L	ND	100	10/15/14 16:50	
Pentachlorophenol	ug/L	ND	500	10/15/14 16:50	
Pyridine	ug/L	ND	100	10/15/14 16:50	
2,4,6-Tribromophenol (S)	%	88	36-128	10/15/14 16:50	
2-Fluorobiphenyl (S)	%	85	49-120	10/15/14 16:50	
2-Fluorophenol (S)	%	76	37-120	10/15/14 16:50	
Nitrobenzene-d5 (S)	%	89	44-120	10/15/14 16:50	
Phenol-d6 (S)	%	74	36-120	10/15/14 16:50	
Terphenyl-d14 (S)	%	94	52-122	10/15/14 16:50	

METHOD BLANK: 1459727

Matrix: Water

Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	10/15/14 18:54	
2,4,5-Trichlorophenol	ug/L	ND	500	10/15/14 18:54	
2,4,6-Trichlorophenol	ug/L	ND	100	10/15/14 18:54	
2,4-Dinitrotoluene	ug/L	ND	100	10/15/14 18:54	
2-Methylphenol(o-Cresol)	ug/L	ND	100	10/15/14 18:54	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	10/15/14 18:54	
Hexachloro-1,3-butadiene	ug/L	ND	100	10/15/14 18:54	
Hexachlorobenzene	ug/L	ND	100	10/15/14 18:54	
Hexachloroethane	ug/L	ND	100	10/15/14 18:54	
Nitrobenzene	ug/L	ND	100	10/15/14 18:54	
Pentachlorophenol	ug/L	ND	500	10/15/14 18:54	
Pyridine	ug/L	ND	100	10/15/14 18:54	
2,4,6-Tribromophenol (S)	%	73	36-128	10/15/14 18:54	
2-Fluorobiphenyl (S)	%	78	49-120	10/15/14 18:54	
2-Fluorophenol (S)	%	76	37-120	10/15/14 18:54	
Nitrobenzene-d5 (S)	%	85	44-120	10/15/14 18:54	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

METHOD BLANK: 1459727

Matrix: Water

Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenol-d6 (S)	%	71	36-120	10/15/14 18:54	
Terphenyl-d14 (S)	%	92	52-122	10/15/14 18:54	

LABORATORY CONTROL SAMPLE: 1459725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	373	75	47-120	
2,4,5-Trichlorophenol	ug/L	500	419J	84	51-124	
2,4,6-Trichlorophenol	ug/L	500	403	81	46-120	
2,4-Dinitrotoluene	ug/L	500	298	60	38-120	
2-Methylphenol(o-Cresol)	ug/L	500	385	77	46-120	
3&4-Methylphenol(m&p Cresol)	ug/L	1000	804	80	41-120	
Hexachloro-1,3-butadiene	ug/L	500	383	77	49-120	
Hexachlorobenzene	ug/L	500	356	71	50-120	
Hexachloroethane	ug/L	500	377	75	38-120	
Nitrobenzene	ug/L	500	420	84	49-120	
Pentachlorophenol	ug/L	500	410J	82	35-125	
Pyridine	ug/L	500	340	68	10-120	
2,4,6-Tribromophenol (S)	%			82	36-128	
2-Fluorobiphenyl (S)	%			78	49-120	
2-Fluorophenol (S)	%			71	37-120	
Nitrobenzene-d5 (S)	%			82	44-120	
Phenol-d6 (S)	%			66	36-120	
Terphenyl-d14 (S)	%			91	52-122	

MATRIX SPIKE SAMPLE: 1459726

Parameter	Units	60179820001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	<100	500	395	79	48-120	
2,4,5-Trichlorophenol	ug/L	<500	500	440J	88	57-120	
2,4,6-Trichlorophenol	ug/L	<100	500	419	84	48-120	
2,4-Dinitrotoluene	ug/L	<100	500	287	57	38-120	
2-Methylphenol(o-Cresol)	ug/L	<100	500	411	82	48-120	
3&4-Methylphenol(m&p Cresol)	ug/L	<200	1000	874	87	47-120	
Hexachloro-1,3-butadiene	ug/L	<100	500	390	78	49-120	
Hexachlorobenzene	ug/L	<100	500	388	78	53-120	
Hexachloroethane	ug/L	<100	500	398	80	38-120	
Nitrobenzene	ug/L	<100	500	452	90	51-120	
Pentachlorophenol	ug/L	<500	500	406J	81	34-131	
Pyridine	ug/L	<500	500	412	82	10-120	
2,4,6-Tribromophenol (S)	%				80	36-128	
2-Fluorobiphenyl (S)	%				81	49-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

MATRIX SPIKE SAMPLE:		1459726					
Parameter	Units	60179820001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2-Fluorophenol (S)	%					79	37-120
Nitrobenzene-d5 (S)	%					89	44-120
Phenol-d6 (S)	%					70	36-120
Terphenyl-d14 (S)	%					98	52-122

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch: PMST/10109 Analysis Method: ASTM D2974
 QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 60179953001, 60179953002

METHOD BLANK: 1459225 Matrix: Solid

Associated Lab Samples: 60179953001, 60179953002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	10/13/14 00:00	

SAMPLE DUPLICATE: 1459226

Parameter	Units	60179754004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.8	20.1	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch:	WET/50913	Analysis Method:	SM 2540G
QC Batch Method:	SM 2540G	Analysis Description:	2540G Total Solids
Associated Lab Samples:	60179953001		

METHOD BLANK: 1460475 Matrix: Solid

Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	10/16/14 15:04	

SAMPLE DUPLICATE: 1460466

Parameter	Units	60178884001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	26.0	25.7	1	8	

SAMPLE DUPLICATE: 1460467

Parameter	Units	60180301001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	25.2	26.6	6	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch:	WET/3966	Analysis Method:	SW-846 7.3.4.2
QC Batch Method:	SW-846 7.3.4.2	Analysis Description:	Reactive Sulfide
Associated Lab Samples:	60179953001		

METHOD BLANK: 63317 Matrix: Solid
Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	ND	50.0	10/20/14 15:29	

LABORATORY CONTROL SAMPLE: 63318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	500	441	88	1-110	

MATRIX SPIKE SAMPLE: 63347

Parameter	Units	2010688001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	ND	500	441	84	1-110	

SAMPLE DUPLICATE: 63346

Parameter	Units	2010688001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch: WET/50898

Analysis Method: EPA 9045

QC Batch Method: EPA 9045

Analysis Description: 9045 pH

Associated Lab Samples: 60179953001

SAMPLE DUPLICATE: 1459977

Parameter	Units	60179769006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	4.7	4.6	1	3	H1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch: WET/50944

Analysis Method: EPA 9095

QC Batch Method: EPA 9095

Analysis Description: 9095 PAINT FILTER LIQUID TEST

Associated Lab Samples: 60179953001

SAMPLE DUPLICATE: 1461267

Parameter	Units	60180034001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids		positive	positive			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch: WETA/31362

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Associated Lab Samples: 60179953001

METHOD BLANK: 1460584

Matrix: Solid

Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/kg	ND	98.4	10/15/14 15:08	

LABORATORY CONTROL SAMPLE: 1460585

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/kg	493	537	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460586 1460587

Parameter	Units	60179953001		MS		MSD		% Rec		Limits	RPD	Max RPD	Qual
		Result	ND	Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Sulfate	mg/kg	ND	496	497	480	503	97	101	80-120	5	15		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch:	WETA/3467	Analysis Method:	SW-846 7.3.3.2
QC Batch Method:	SW-846 7.3.3.2	Analysis Description:	733C Reactive Cyanide
Associated Lab Samples:	60179953001		

METHOD BLANK: 63321 Matrix: Solid
Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	ND	25.0	10/20/14 15:33	

LABORATORY CONTROL SAMPLE: 63322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	100	ND	5	1-110	

MATRIX SPIKE SAMPLE: 63341

Parameter	Units	2010688001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	ND	100	ND	4	1-110	

SAMPLE DUPLICATE: 63340

Parameter	Units	2010688001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch: WETA/3522

Analysis Method: EPA 9023

QC Batch Method: EPA 9023

Analysis Description: 9023 Extractable Organic Halides EOX

Associated Lab Samples: 60179953001

METHOD BLANK: 64634

Matrix: Solid

Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Extractable Organic Halogens	mg/kg	ND	48.4	10/23/14 13:32	

LABORATORY CONTROL SAMPLE: 64635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Extractable Organic Halogens	mg/kg	974	959	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 64636

64637

Parameter	Units	30131481001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Extractable Organic Halogens	mg/kg	884	1110	1120	1800	1800	83	82	75-125	.2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60179953

QC Batch: WETA/3456

Analysis Method: EPA 9065

QC Batch Method: EPA 9065

Analysis Description: 9065 Phenolics

Associated Lab Samples: 60179953001

METHOD BLANK: 62892

Matrix: Solid

Associated Lab Samples: 60179953001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/kg	ND	0.15	10/18/14 09:27	

LABORATORY CONTROL SAMPLE: 62893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/kg	2.5	2.4	97	80-120	

MATRIX SPIKE SAMPLE: 62895

Parameter	Units	60179953001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/kg	14.3	10.3	80.0	633	75-125	M6

SAMPLE DUPLICATE: 62894

Parameter	Units	60179953001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phenolics, Total Recoverable	mg/kg	14.3	17.0	17	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON 4337

Pace Project No.: 60179953

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-K Pace Analytical Services - Kansas City

PASI-N Pace Analytical Services - New Orleans

ANALYTE QUALIFIERS

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

H1 Analysis conducted outside the EPA method holding time.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON 4337

Pace Project No.: 60179953

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60179953001	SLUDGE TRUCK #6	EPA 3535	OEXT/3144	EPA 8081A	GCSV/2645
60179953002	SLUDGE TRUCK #6	EPA 3546	OEXT/46604	EPA 8082	GCSV/17778
60179953001	SLUDGE TRUCK #6	EPA 3535A	OEXT/3145	EPA 8151	GCSV/2621
60179953001	SLUDGE TRUCK #6	EPA 3010	MPRP/29311	EPA 6010	ICP/22027
60179953001	SLUDGE TRUCK #6	EPA 7470	MERP/8911	EPA 7470	MERC/8866
60179953001	SLUDGE TRUCK #6	EPA 3510	OEXT/46633	EPA 8270	MSSV/14987
60179953002	SLUDGE TRUCK #6	EPA 8260	MSV/65106		
60179953001	SLUDGE TRUCK #6	ASTM D2974	PMST/10109		
60179953002	SLUDGE TRUCK #6	ASTM D2974	PMST/10109		
60179953001	SLUDGE TRUCK #6	SM 2540G	WET/50913		
60179953001	SLUDGE TRUCK #6	SW-846 7.3.4.2	WET/3966	SW-846 7.3.4.2	WET/3979
60179953001	SLUDGE TRUCK #6	EPA 9045	WET/50898		
60179953001	SLUDGE TRUCK #6	EPA 9095	WET/50944		
60179953001	SLUDGE TRUCK #6	ASTM D92	WET/50945		
60179953001	SLUDGE TRUCK #6	EPA 300.0	WETA/31362	EPA 300.0	WETA/31363
60179953001	SLUDGE TRUCK #6	SW-846 7.3.3.2	WETA/3467	SW-846 7.3.3.2	WETA/3478
60179953001	SLUDGE TRUCK #6	EPA 9023	WETA/3522	EPA 9023	WETA/3531
60179953001	SLUDGE TRUCK #6	EPA 9065	WETA/3456	EPA 9065	WETA/3464

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60179953



Client Name: Republic

Courier: Fed Ex UPS USPS Client Commercial Pace Other *Xroads*

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 4.4

Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: CW 10/10/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody relinquished:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>ASAP</u>	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.	
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Includes date/time/ID/analyses	Matrix: <u>SL</u>	13.	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank lot # (if purchased):		15.	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.	
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17. Dist State: <u>MO</u>	

Client Notification/ Resolution: Copy COC to Client? Y N Field Data Required? Y N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 10/9/14

WO#: 2010913

PM: KHB

Due Date: 10/23/14

Sample Condition Upon Re

CLIENT: PASI-KANS PASI - Kansas



1000 Riverbend Blvd., Suite F
St. Rose, LA 70087

Project #: 20

Courier: Pace Courier Hired Courier Fed X UPS DHL USPS Customer Other

Custody Seal on Cooler/Box Present: [see COC]

Custody Seals intact: Yes No

Thermometer Used: Therm Fisher IR 5
 Therm Fisher IR 6
 Therm Fisher IR 7

Type of Ice: (Wet) Blue None

Samples on ice: [see COC]

Date and Initials of person examining contents: 10-15-14 [Signature]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Temp must be measured from Temperature blank when present

Comments:

Temperature Blank Present?"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Chain of Custody Complete:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8
Filtered vol. Rec. for Diss. tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10
All containers received within manufacture's precautionary and/or expiration dates.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15

If No, was preservative added? Yes No
If added record lot no.: HNO3 _____ H2SO4 _____

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Don't log sulfur as per Kansen

October 20, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

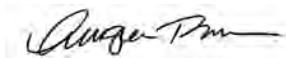
RE: Project: BRIDGETON LANDFILL
Pace Project No.: 60180063

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180063001	T1-032	Water	10/10/14 09:30	10/11/14 02:00
60180063002	TRIP BLANK	Water	10/10/14 09:30	10/11/14 02:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180063001	T1-032	EPA 200.7	JGP	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180063002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

Sample: T1-032	Lab ID: 60180063001	Collected: 10/10/14 09:30	Received: 10/11/14 02:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	8780 ug/L		375	1	10/13/14 15:15	10/14/14 13:43	7429-90-5	
Antimony	ND ug/L		50.0	1	10/13/14 15:15	10/14/14 13:43	7440-36-0	
Arsenic	420 ug/L		50.0	1	10/13/14 15:15	10/14/14 13:43	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/13/14 15:15	10/14/14 13:43	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/13/14 15:15	10/14/14 13:43	7440-43-9	
Chromium	160 ug/L		25.0	1	10/13/14 15:15	10/14/14 13:43	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/13/14 15:15	10/14/14 13:43	7440-48-4	
Copper	ND ug/L		50.0	1	10/13/14 15:15	10/14/14 13:43	7440-50-8	
Iron	447000 ug/L		250	1	10/13/14 15:15	10/14/14 13:43	7439-89-6	
Lead	84.3 ug/L		25.0	1	10/13/14 15:15	10/14/14 13:43	7439-92-1	
Nickel	84.7 ug/L		25.0	1	10/13/14 15:15	10/14/14 13:43	7440-02-0	
Selenium	ND ug/L		75.0	1	10/13/14 15:15	10/14/14 13:43	7782-49-2	
Silver	ND ug/L		35.0	1	10/13/14 15:15	10/14/14 13:43	7440-22-4	
Thallium	ND ug/L		100	1	10/13/14 15:15	10/14/14 13:43	7440-28-0	
Zinc	5260 ug/L		250	1	10/13/14 15:15	10/14/14 13:43	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/15/14 16:00	10/16/14 12:52	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/15/14 16:00	10/16/14 12:52	7440-36-0	
Arsenic, Dissolved	239 ug/L		50.0	1	10/15/14 16:00	10/16/14 12:52	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/15/14 16:00	10/16/14 12:52	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/15/14 16:00	10/16/14 12:52	7440-43-9	
Chromium, Dissolved	58.4 ug/L		25.0	1	10/15/14 16:00	10/16/14 12:52	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/15/14 16:00	10/16/14 12:52	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/15/14 16:00	10/16/14 12:52	7440-50-8	
Iron, Dissolved	91200 ug/L		250	1	10/15/14 16:00	10/16/14 12:52	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/15/14 16:00	10/16/14 12:52	7439-92-1	
Nickel, Dissolved	50.2 ug/L		25.0	1	10/15/14 16:00	10/16/14 12:52	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/15/14 16:00	10/16/14 12:52	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/15/14 16:00	10/16/14 12:52	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/15/14 16:00	10/16/14 12:52	7440-28-0	
Zinc, Dissolved	296 ug/L		250	1	10/15/14 16:00	10/16/14 12:52	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	6.6 ug/L		6.0	1	10/14/14 12:25	10/15/14 12:08	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/15/14 16:30	10/16/14 10:02	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/14/14 00:00	10/15/14 15:48	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:48	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:48	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:48	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/14/14 00:00	10/15/14 15:48	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2690 ug/L		2000	1	10/14/14 00:00	10/15/14 15:48		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

Sample: T1-032	Lab ID: 60180063001	Collected: 10/10/14 09:30	Received: 10/11/14 02:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:48	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:48	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:48	87-86-5	
Phenol	4190 ug/L		500	1	10/14/14 00:00	10/15/14 15:48	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:48	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/14/14 00:00	10/15/14 15:48	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	80 %		33-120	1	10/14/14 00:00	10/15/14 15:48	4165-60-0	
2-Fluorobiphenyl (S)	73 %		39-120	1	10/14/14 00:00	10/15/14 15:48	321-60-8	
Terphenyl-d14 (S)	82 %		45-120	1	10/14/14 00:00	10/15/14 15:48	1718-51-0	
Phenol-d6 (S)	30 %		11-120	1	10/14/14 00:00	10/15/14 15:48	13127-88-3	
2-Fluorophenol (S)	42 %		17-120	1	10/14/14 00:00	10/15/14 15:48	367-12-4	
2,4,6-Tribromophenol (S)	80 %		39-120	1	10/14/14 00:00	10/15/14 15:48	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	37700 ug/L		1000	100		10/14/14 14:16	67-64-1	N2
Benzene	ND ug/L		100	100		10/14/14 14:16	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/14/14 14:16	75-27-4	
Bromoform	ND ug/L		100	100		10/14/14 14:16	75-25-2	
Bromomethane	ND ug/L		500	100		10/14/14 14:16	74-83-9	
2-Butanone (MEK)	17100 ug/L		1000	100		10/14/14 14:16	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/14/14 14:16	56-23-5	
Chloroethane	ND ug/L		100	100		10/14/14 14:16	75-00-3	
Chloroform	ND ug/L		100	100		10/14/14 14:16	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/14/14 14:16	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/14/14 14:16	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/14/14 14:16	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/14/14 14:16	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/14/14 14:16	100-41-4	
Methylene chloride	103 ug/L		100	100		10/14/14 14:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/14/14 14:16	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/14/14 14:16	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/14/14 14:16	127-18-4	
Toluene	ND ug/L		100	100		10/14/14 14:16	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/14/14 14:16	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/14/14 14:16	79-00-5	
Trichloroethene	ND ug/L		100	100		10/14/14 14:16	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/14/14 14:16	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/14/14 14:16	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	107 %		80-120	100		10/14/14 14:16	460-00-4	
Toluene-d8 (S)	95 %		80-120	100		10/14/14 14:16	2037-26-5	
1,2-Dichloroethane-d4 (S)	99 %		80-120	100		10/14/14 14:16	17060-07-0	
Preservation pH	6.0		1.0	100		10/14/14 14:16		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	106 mg/L		5.0	1		10/14/14 16:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

Sample: T1-032		Lab ID: 60180063001	Collected: 10/10/14 09:30	Received: 10/11/14 02:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	7.0	mg/L	5.0	1		10/14/14 16:18		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	1940	mg/L	5.0	1		10/13/14 08:57		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.1	Std. Units	0.10	1		10/11/14 14:00		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	7880	mg/L	2.0	1	10/11/14 13:35	10/16/14 18:08		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	180	mg/L	10.0	100		10/13/14 12:57	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	20400	mg/L	2500	250		10/15/14 08:55		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

Sample: TRIP BLANK		Lab ID: 60180063002	Collected: 10/10/14 09:30	Received: 10/11/14 02:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/14/14 13:33	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/14/14 13:33	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/14/14 13:33	75-27-4	
Bromoform	ND ug/L		1.0	1		10/14/14 13:33	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/14/14 13:33	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/14/14 13:33	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/14/14 13:33	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/14/14 13:33	75-00-3	
Chloroform	ND ug/L		1.0	1		10/14/14 13:33	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/14/14 13:33	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/14/14 13:33	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/14/14 13:33	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/14/14 13:33	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/14/14 13:33	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/14/14 13:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/14/14 13:33	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/14/14 13:33	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/14/14 13:33	127-18-4	
Toluene	ND ug/L		1.0	1		10/14/14 13:33	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/14/14 13:33	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/14/14 13:33	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/14/14 13:33	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/14/14 13:33	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/14/14 13:33	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	105 %		80-120	1		10/14/14 13:33	460-00-4	
Toluene-d8 (S)	93 %		80-120	1		10/14/14 13:33	2037-26-5	
1,2-Dichloroethane-d4 (S)	103 %		80-120	1		10/14/14 13:33	17060-07-0	
Preservation pH	6.0		1.0	1		10/14/14 13:33		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch:	MERP/8907	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
Associated Lab Samples:	60180063001		

METHOD BLANK: 1459245 Matrix: Water

Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/15/14 11:32	

LABORATORY CONTROL SAMPLE: 1459246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	99	85-115	

MATRIX SPIKE SAMPLE: 1459247

Parameter	Units	60179491013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.7	94	70-130	

MATRIX SPIKE SAMPLE: 1459248

Parameter	Units	60180096004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	5.0	101	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch:	MERP/8917	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60180063001		

METHOD BLANK: 1460680 Matrix: Water
Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/16/14 09:51	

LABORATORY CONTROL SAMPLE: 1460681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460682 1460683

Parameter	Units	60179932001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury, Dissolved	ug/L	ND	150	150	95.7	103	64	68	70-130	7	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL
Pace Project No.: 60180063

QC Batch: MPRP/29295 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 60180063001

METHOD BLANK: 1459157 Matrix: Water
Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/14/14 13:26	
Antimony	ug/L	ND	10.0	10/14/14 13:26	
Arsenic	ug/L	ND	10.0	10/14/14 13:26	
Beryllium	ug/L	ND	1.0	10/14/14 13:26	
Cadmium	ug/L	ND	5.0	10/14/14 13:26	
Chromium	ug/L	ND	5.0	10/14/14 13:26	
Cobalt	ug/L	ND	5.0	10/14/14 13:26	
Copper	ug/L	ND	10.0	10/14/14 13:26	
Iron	ug/L	ND	50.0	10/14/14 13:26	
Lead	ug/L	ND	5.0	10/14/14 13:26	
Nickel	ug/L	ND	5.0	10/14/14 13:26	
Selenium	ug/L	ND	15.0	10/14/14 13:26	
Silver	ug/L	ND	7.0	10/14/14 13:26	
Thallium	ug/L	ND	20.0	10/14/14 13:26	
Zinc	ug/L	ND	50.0	10/14/14 13:26	

LABORATORY CONTROL SAMPLE: 1459158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10400	104	85-115	
Antimony	ug/L	1000	1020	102	85-115	
Arsenic	ug/L	1000	981	98	85-115	
Beryllium	ug/L	1000	1000	100	85-115	
Cadmium	ug/L	1000	1010	101	85-115	
Chromium	ug/L	1000	1020	102	85-115	
Cobalt	ug/L	1000	1010	101	85-115	
Copper	ug/L	1000	1010	101	85-115	
Iron	ug/L	10000	9700	97	85-115	
Lead	ug/L	1000	1020	102	85-115	
Nickel	ug/L	1000	1030	103	85-115	
Selenium	ug/L	1000	979	98	85-115	
Silver	ug/L	500	494	99	85-115	
Thallium	ug/L	1000	1030	103	85-115	
Zinc	ug/L	1000	999	100	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

Parameter	Units	1459159		1459160		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		60179924001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Aluminum	ug/L	470	10000	10000	10900	11100	104	106	70-130	2	8		
Antimony	ug/L	ND	1000	1000	1030	1050	103	105	70-130	2	7		
Arsenic	ug/L	ND	1000	1000	1000	1030	100	102	70-130	2	10		
Beryllium	ug/L	ND	1000	1000	1000	1020	100	102	70-130	2	7		
Cadmium	ug/L	ND	1000	1000	1020	1040	102	104	70-130	2	10		
Chromium	ug/L	ND	1000	1000	1020	1040	102	104	70-130	2	10		
Cobalt	ug/L	ND	1000	1000	993	1010	99	101	70-130	2	6		
Copper	ug/L	ND	1000	1000	1020	1040	102	104	70-130	2	11		
Iron	ug/L	348	10000	10000	9900	10100	95	98	70-130	2	10		
Lead	ug/L	ND	1000	1000	1000	1020	100	102	70-130	2	10		
Nickel	ug/L	ND	1000	1000	1020	1040	102	104	70-130	2	10		
Selenium	ug/L	ND	1000	1000	987	1010	99	101	70-130	2	10		
Silver	ug/L	ND	500	500	492	501	98	100	70-130	2	10		
Thallium	ug/L	ND	1000	1000	1020	1040	101	104	70-130	2	6		
Zinc	ug/L	ND	1000	1000	989	1010	99	100	70-130	2	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch:	MPRP/29335	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	60180063001		

METHOD BLANK: 1460761 Matrix: Water

Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/16/14 12:48	
Antimony, Dissolved	ug/L	ND	10.0	10/16/14 12:48	
Arsenic, Dissolved	ug/L	ND	10.0	10/16/14 12:48	
Beryllium, Dissolved	ug/L	ND	1.0	10/16/14 12:48	
Cadmium, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Chromium, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Cobalt, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Copper, Dissolved	ug/L	ND	10.0	10/16/14 12:48	
Iron, Dissolved	ug/L	ND	50.0	10/16/14 12:48	
Lead, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Nickel, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Selenium, Dissolved	ug/L	ND	15.0	10/16/14 12:48	
Silver, Dissolved	ug/L	ND	7.0	10/16/14 12:48	
Thallium, Dissolved	ug/L	ND	20.0	10/16/14 12:48	
Zinc, Dissolved	ug/L	ND	50.0	10/16/14 12:48	

LABORATORY CONTROL SAMPLE: 1460762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10000	100	85-115	
Antimony, Dissolved	ug/L	1000	1010	101	85-115	
Arsenic, Dissolved	ug/L	1000	948	95	85-115	
Beryllium, Dissolved	ug/L	1000	1010	101	85-115	
Cadmium, Dissolved	ug/L	1000	977	98	85-115	
Chromium, Dissolved	ug/L	1000	1010	101	85-115	
Cobalt, Dissolved	ug/L	1000	1000	100	85-115	
Copper, Dissolved	ug/L	1000	1000	100	85-115	
Iron, Dissolved	ug/L	10000	9940	99	85-115	
Lead, Dissolved	ug/L	1000	998	100	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	989	99	85-115	
Silver, Dissolved	ug/L	500	501	100	85-115	
Thallium, Dissolved	ug/L	1000	977	98	85-115	
Zinc, Dissolved	ug/L	1000	964	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460763		1460764		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		60180063001 Result	MS Spike Conc.	MSD Spike Conc.									
Aluminum, Dissolved	ug/L	ND	50000	50000	51500	50800	102	101	70-130	1	8		
Antimony, Dissolved	ug/L	ND	5000	5000	5320	5280	106	105	70-130	1	7		
Arsenic, Dissolved	ug/L	239	5000	5000	5370	5340	103	102	70-130	1	10		
Beryllium, Dissolved	ug/L	ND	5000	5000	5020	4970	100	99	70-130	1	7		
Cadmium, Dissolved	ug/L	ND	5000	5000	5120	5100	102	102	70-130	1	10		
Chromium, Dissolved	ug/L	58.4	5000	5000	5040	4940	100	98	70-130	2	10		
Cobalt, Dissolved	ug/L	ND	5000	5000	4950	4890	99	98	70-130	1	6		
Copper, Dissolved	ug/L	ND	5000	5000	5320	5290	106	106	70-130	0	11		
Iron, Dissolved	ug/L	91200	50000	50000	140000	142000	97	102	70-130	2	10		
Lead, Dissolved	ug/L	ND	5000	5000	4860	4770	97	95	70-130	2	10		
Nickel, Dissolved	ug/L	50.2	5000	5000	5000	4940	99	98	70-130	1	10		
Selenium, Dissolved	ug/L	ND	5000	5000	5380	5350	108	107	70-130	0	10		
Silver, Dissolved	ug/L	ND	2500	2500	2620	2580	104	103	70-130	1	10		
Thallium, Dissolved	ug/L	ND	5000	5000	4560	4500	91	90	70-130	1	6		
Zinc, Dissolved	ug/L	296	5000	5000	4990	4920	94	92	70-130	1	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch: MSV/65060 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60180063001, 60180063002

METHOD BLANK: 1459758 Matrix: Water

Associated Lab Samples: 60180063001, 60180063002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/14/14 11:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/14/14 11:47	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/14/14 11:47	
1,2-Dichloroethane	ug/L	ND	1.0	10/14/14 11:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/14/14 11:47	
2-Butanone (MEK)	ug/L	ND	10.0	10/14/14 11:47	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/14/14 11:47	N2
Acetone	ug/L	ND	10.0	10/14/14 11:47	N2
Benzene	ug/L	ND	1.0	10/14/14 11:47	
Bromodichloromethane	ug/L	ND	1.0	10/14/14 11:47	
Bromoform	ug/L	ND	1.0	10/14/14 11:47	
Bromomethane	ug/L	ND	5.0	10/14/14 11:47	
Carbon tetrachloride	ug/L	ND	1.0	10/14/14 11:47	
Chloroethane	ug/L	ND	1.0	10/14/14 11:47	
Chloroform	ug/L	ND	1.0	10/14/14 11:47	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/14/14 11:47	N2
Ethylbenzene	ug/L	ND	1.0	10/14/14 11:47	
Methylene chloride	ug/L	ND	1.0	10/14/14 11:47	
Tetrachloroethene	ug/L	ND	1.0	10/14/14 11:47	
Toluene	ug/L	ND	1.0	10/14/14 11:47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/14/14 11:47	
Trichloroethene	ug/L	ND	1.0	10/14/14 11:47	
Vinyl chloride	ug/L	ND	1.0	10/14/14 11:47	
Xylene (Total)	ug/L	ND	3.0	10/14/14 11:47	N2
1,2-Dichloroethane-d4 (S)	%	103	80-120	10/14/14 11:47	
4-Bromofluorobenzene (S)	%	106	80-120	10/14/14 11:47	
Toluene-d8 (S)	%	94	80-120	10/14/14 11:47	

LABORATORY CONTROL SAMPLE: 1459759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.3	102	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	23.1	115	67-127	N2
1,1,2-Trichloroethane	ug/L	20	21.7	109	67-124	
1,2-Dichloroethane	ug/L	20	20.6	103	70-126	
1,4-Dichlorobenzene	ug/L	20	21.2	106	74-120	
2-Butanone (MEK)	ug/L	100	93.8	94	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.5	100	59-131	N2
Acetone	ug/L	100	90.6	91	38-134	N2
Benzene	ug/L	20	20.4	102	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

LABORATORY CONTROL SAMPLE: 1459759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.5	102	68-125	
Bromoform	ug/L	20	22.9	115	65-127	
Bromomethane	ug/L	20	12.6	63	13-157	
Carbon tetrachloride	ug/L	20	21.0	105	70-131	
Chloroethane	ug/L	20	26.0	130	47-133	
Chloroform	ug/L	20	20.4	102	65-127	
cis-1,2-Dichloroethene	ug/L	20	20.4	102	68-127	N2
Ethylbenzene	ug/L	20	21.1	106	74-122	
Methylene chloride	ug/L	20	20.9	104	64-129	
Tetrachloroethene	ug/L	20	22.1	111	73-125	
Toluene	ug/L	20	19.7	98	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.3	102	66-129	
Trichloroethene	ug/L	20	20.4	102	71-123	
Vinyl chloride	ug/L	20	19.8	99	43-129	
Xylene (Total)	ug/L	60	62.8	105	75-121	N2
1,2-Dichloroethane-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			105	80-120	
Toluene-d8 (S)	%			96	80-120	

MATRIX SPIKE SAMPLE: 1459760

Parameter	Units	60180063001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2080	104	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2230	111	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2040	102	52-143	
1,2-Dichloroethane	ug/L	ND	2000	1960	98	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2220	110	33-140	
2-Butanone (MEK)	ug/L	17100	10000	27100	101	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	9670	95	40-160	N2
Acetone	ug/L	37700	10000	49600	120	10-160	N2
Benzene	ug/L	ND	2000	2030	102	37-151	
Bromodichloromethane	ug/L	ND	2000	2030	102	35-142	
Bromoform	ug/L	ND	2000	2240	112	45-142	
Bromomethane	ug/L	ND	2000	1260	63	10-158	
Carbon tetrachloride	ug/L	ND	2000	2290	115	70-140	
Chloroethane	ug/L	ND	2000	1750	88	19-152	
Chloroform	ug/L	ND	2000	1990	100	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2020	101	34-147	N2
Ethylbenzene	ug/L	ND	2000	2210	110	40-142	
Methylene chloride	ug/L	103	2000	1850	87	31-144	
Tetrachloroethene	ug/L	ND	2000	2360	118	64-148	
Toluene	ug/L	ND	2000	2060	101	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	2050	102	54-151	
Trichloroethene	ug/L	ND	2000	2060	103	71-149	
Vinyl chloride	ug/L	ND	2000	1740	87	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

MATRIX SPIKE SAMPLE:		1459760					
Parameter	Units	60180063001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6750	112	37-144	N2
1,2-Dichloroethane-d4 (S)	%				97	80-120	
4-Bromofluorobenzene (S)	%				106	80-120	
Toluene-d8 (S)	%				98	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch: OEXT/46631 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60180063001

METHOD BLANK: 1459520 Matrix: Water

Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/15/14 14:25	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/15/14 14:25	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/15/14 14:25	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/15/14 14:25	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/15/14 14:25	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/15/14 14:25	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/15/14 14:25	
Hexachloroethane	ug/L	ND	5.0	10/15/14 14:25	
Naphthalene	ug/L	ND	5.0	10/15/14 14:25	
Nitrobenzene	ug/L	ND	5.0	10/15/14 14:25	
Pentachlorophenol	ug/L	ND	5.0	10/15/14 14:25	
Phenol	ug/L	ND	5.0	10/15/14 14:25	
2,4,6-Tribromophenol (S)	%	88	39-120	10/15/14 14:25	
2-Fluorobiphenyl (S)	%	86	39-120	10/15/14 14:25	
2-Fluorophenol (S)	%	52	17-120	10/15/14 14:25	
Nitrobenzene-d5 (S)	%	85	33-120	10/15/14 14:25	
Phenol-d6 (S)	%	31	11-120	10/15/14 14:25	
Terphenyl-d14 (S)	%	103	45-120	10/15/14 14:25	

LABORATORY CONTROL SAMPLE: 1459521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	40.5	81	46-120	
2,4,6-Trichlorophenol	ug/L	50	41.7	83	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	37.6	75	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	34.6	69	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	46.5	93	40-133	
Hexachloro-1,3-butadiene	ug/L	50	41.2	82	44-116	
Hexachlorocyclopentadiene	ug/L	100	41.9	42	24-120	
Hexachloroethane	ug/L	50	42.8	86	43-113	
Naphthalene	ug/L	50	42.6	85	48-120	
Nitrobenzene	ug/L	50	46.0	92	48-120	
Pentachlorophenol	ug/L	50	47.0	94	47-120	
Phenol	ug/L	50	17.8	36	16-112	
2,4,6-Tribromophenol (S)	%			92	39-120	
2-Fluorobiphenyl (S)	%			88	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			89	33-120	
Phenol-d6 (S)	%			31	11-120	
Terphenyl-d14 (S)	%			91	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

MATRIX SPIKE SAMPLE: 1459522		60179932001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3490	70	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	3940	79	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3510	70	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	2470	5000	5320	57	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	4200	84	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3540	71	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	3850	38	11-120	
Hexachloroethane	ug/L	ND	5000	3570	71	40-113	
Naphthalene	ug/L	ND	5000	3740	75	45-120	
Nitrobenzene	ug/L	ND	5000	4000	80	38-120	
Pentachlorophenol	ug/L	ND	5000	4370	87	43-135	
Phenol	ug/L	4060	5000	5060	20	13-112	
2,4,6-Tribromophenol (S)	%				84	39-120	
2-Fluorobiphenyl (S)	%				76	39-120	
2-Fluorophenol (S)	%				44	17-120	
Nitrobenzene-d5 (S)	%				82	33-120	
Phenol-d6 (S)	%				31	11-120	
Terphenyl-d14 (S)	%				82	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch:	WET/50886	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180063001		

METHOD BLANK: 1459586 Matrix: Water
Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/14/14 16:09	

LABORATORY CONTROL SAMPLE: 1459587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.8	100	78-114	

MATRIX SPIKE SAMPLE: 1459589

Parameter	Units	60179524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	41.2	38.0	89	78-114	

SAMPLE DUPLICATE: 1459588

Parameter	Units	60179727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	101	89.5	12	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch:	WET/50887	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180063001		

METHOD BLANK: 1459597 Matrix: Water
Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/14/14 16:15	

LABORATORY CONTROL SAMPLE: 1459598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.8	119	64-132	

MATRIX SPIKE SAMPLE: 1459600

Parameter	Units	60179524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	15.6	67	64-132	

SAMPLE DUPLICATE: 1459599

Parameter	Units	60179727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	16.4	17.2	5	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch: WET/50846

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60180063001

METHOD BLANK: 1458885

Matrix: Water

Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/13/14 08:52	

SAMPLE DUPLICATE: 1458886

Parameter	Units	60179950001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	7.0	9.0	25	10	D6

SAMPLE DUPLICATE: 1458887

Parameter	Units	60179714002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	372	388	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch: WET/50837 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180063001

SAMPLE DUPLICATE: 1458420

Parameter	Units	60179608001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch: WET/50836

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180063001

METHOD BLANK: 1458287

Matrix: Water

Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/16/14 17:23	

LABORATORY CONTROL SAMPLE: 1458288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	186	94	85-115	

SAMPLE DUPLICATE: 1458289

Parameter	Units	60180074002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	654	646	1	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch: WETA/31313

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60180063001

METHOD BLANK: 1458950

Matrix: Water

Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/13/14 12:40	

LABORATORY CONTROL SAMPLE: 1458951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 1458952

Parameter	Units	60179847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.3	2	5.8	74	90-110	M1

SAMPLE DUPLICATE: 1458953

Parameter	Units	60178889001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.042J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

QC Batch:	WETA/31329	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180063001		

METHOD BLANK: 1459485 Matrix: Water
Associated Lab Samples: 60180063001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/15/14 08:52	

LABORATORY CONTROL SAMPLE: 1459486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	50.4	101	90-110	

MATRIX SPIKE SAMPLE: 1459487

Parameter	Units	60178781001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	332	250	564	93	90-110	

MATRIX SPIKE SAMPLE: 1459489

Parameter	Units	60179858001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	16.8	50	60.6	88	90-110	M1

SAMPLE DUPLICATE: 1459488

Parameter	Units	60180063001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	20400	20600	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LANDFILL

Pace Project No.: 60180063

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180063001	T1-032	EPA 200.7	MPRP/29295	EPA 200.7	ICP/22022
60180063001	T1-032	EPA 200.7	MPRP/29335	EPA 200.7	ICP/22042
60180063001	T1-032	EPA 245.1	MERP/8907	EPA 245.1	MERC/8861
60180063001	T1-032	EPA 245.1	MERP/8917	EPA 245.1	MERC/8870
60180063001	T1-032	EPA 625	OEXT/46631	EPA 625	MSSV/14988
60180063001	T1-032	EPA 624 Low	MSV/65060		
60180063002	TRIP BLANK	EPA 624 Low	MSV/65060		
60180063001	T1-032	EPA 1664A	WET/50886		
60180063001	T1-032	EPA 1664A	WET/50887		
60180063001	T1-032	SM 2540D	WET/50846		
60180063001	T1-032	SM 4500-H+B	WET/50837		
60180063001	T1-032	SM 5210B	WET/50836	SM 5210B	WET/50952
60180063001	T1-032	EPA 350.1	WETA/31313		
60180063001	T1-032	EPA 410.4	WETA/31329		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180063



60180063

Client Name: Republic - Barr Eng.

Courier: Fed Ex [] UPS [] USPS [] Client [] Commercial [x] Pace [] Other [x]

Tracking #: Pace Shipping Label Used? Yes [] No [x]

Custody Seal on Cooler/Box Present: Yes [x] No [] Seals intact: Yes [x] No []

Packing Material: Bubble Wrap [x] Bubble Bags [] Foam [] None [] Other []

Thermometer Used: 239 / T-194 Type of Ice: ~~Water~~ Blue None [] Samples received on ice, cooling process has begun.

Cooler Temperature: 2.8

Date and initials of person examining contents: JWS 12/14/14 750

Temperature should be above freezing to 6°C

Table with 17 rows of inspection items and checkboxes. Includes handwritten notes like 'BOD, pH', 'BPSN + BPS could not be preserved', and 'no headspace detected'.

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: G. J. Sko Date: 12/14



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1709	T1-032	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 75-09-2	Methylene chloride		UX-	ug/L	500	26.46	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 67-64-1	Acetone	64000	D	ug/L	10000	1556.07	10/10/2014	10/10/2014	10/10/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4926				
NAL13026-1709	T1-032	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 78-93-3	2-Butanone	8700		ug/L	1000	81.18	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 108-10-1	4-Methyl-2-pentanone	120	J	ug/L	500	74.00	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1709	T1-032	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 99-87-6	p-Isopropyltoluene	330		ug/L	200	25.48	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 106-46-7	1,4-Dichlorobenzene	66	J	ug/L	200	33.03	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 91-20-3	Naphthalene	180	J	ug/L	500	56.04	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925				
NAL13026-1709	T1-032	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925	50	100%		
NAL13026-1709	T1-032	STD 17060-07-0	1,2-Dichloroethane d4	53		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925	50	106%		
NAL13026-1709	T1-032	STD 2037-26-5	Toluene d8	53		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925	50	106%		
NAL13026-1709	T1-032	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4925	50	106%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101014CCVA	D101014CCVA	ORG 75-71-8	Dichlorodifluoromethane	59		ug/L	5	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	118%		
D101014CCVA	D101014CCVA	ORG 74-87-3	Chloromethane	50		ug/L	5	0.43	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	100%		
D101014CCVA	D101014CCVA	ORG 75-01-4	Vinyl chloride	52		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	104%		
D101014CCVA	D101014CCVA	ORG 74-83-9	Bromomethane	70		ug/L	5	0.50	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	140%		
D101014CCVA	D101014CCVA	ORG 75-00-3	Chloroethane	48		ug/L	5	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	96%		
D101014CCVA	D101014CCVA	ORG 75-69-4	Trichlorofluoromethane	130		ug/L	5	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	260%		
D101014CCVA	D101014CCVA	ORG 75-35-4	1,1-Dichloroethene	53		ug/L	1	0.47	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	106%		
D101014CCVA	D101014CCVA	ORG 75-09-2	Methylene chloride	34		ug/L	5	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	68%		
D101014CCVA	D101014CCVA	ORG 67-64-1	Acetone	57		ug/L	10	1.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	114%		
D101014CCVA	D101014CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	50		ug/L	1	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	100%		
D101014CCVA	D101014CCVA	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	104%		
D101014CCVA	D101014CCVA	ORG 75-34-3	1,1-Dichloroethane	48		ug/L	1	0.53	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	96%		
D101014CCVA	D101014CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	98%		
D101014CCVA	D101014CCVA	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	90%		
D101014CCVA	D101014CCVA	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	92%		
D101014CCVA	D101014CCVA	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	100%		
D101014CCVA	D101014CCVA	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	106%		
D101014CCVA	D101014CCVA	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	104%		
D101014CCVA	D101014CCVA	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	98%		
D101014CCVA	D101014CCVA	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	94%		
D101014CCVA	D101014CCVA	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	96%		
D101014CCVA	D101014CCVA	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	92%		
D101014CCVA	D101014CCVA	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	96%		
D101014CCVA	D101014CCVA	ORG 75-27-4	Bromodichloromethane	51		ug/L	2	0.12	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	102%		
D101014CCVA	D101014CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	106%		
D101014CCVA	D101014CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	92%		
D101014CCVA	D101014CCVA	ORG 108-10-1	4-Methyl-2-pentanone	52		ug/L	5	0.74	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	104%		
D101014CCVA	D101014CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	110%		
D101014CCVA	D101014CCVA	ORG 127-18-4	Tetrachloroethene	42		ug/L	1	0.49	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	84%		
D101014CCVA	D101014CCVA	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	86%		
D101014CCVA	D101014CCVA	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	104%		
D101014CCVA	D101014CCVA	ORG 106-93-4	1,2-Dibromoethane	47		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	94%		
D101014CCVA	D101014CCVA	ORG 591-78-6	2-Hexanone	66		ug/L	2	0.69	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	132%		
D101014CCVA	D101014CCVA	ORG 100-41-4	Ethylbenzene	56		ug/L	1	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	112%		
D101014CCVA	D101014CCVA	ORG 108-90-7	Chlorobenzene	50		ug/L	1	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	100%		
D101014CCVA	D101014CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	54		ug/L	2	0.19	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	108%		
D101014CCVA	D101014CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	100	110%		
D101014CCVA	D101014CCVA	ORG 95-47-6	o-Xylene	58		ug/L	1	0.13	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	116%		
D101014CCVA	D101014CCVA	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	102%		
D101014CCVA	D101014CCVA	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	104%		
D101014CCVA	D101014CCVA	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	110%		
D101014CCVA	D101014CCVA	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	114%		
D101014CCVA	D101014CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	92%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101014CCVA	D101014CCVA	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	90%		
D101014CCVA	D101014CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	57		ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	114%		
D101014CCVA	D101014CCVA	ORG 98-06-6	tert-Butylbenzene	56		ug/L	2	0.33	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	112%		
D101014CCVA	D101014CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	104%		
D101014CCVA	D101014CCVA	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	108%		
D101014CCVA	D101014CCVA	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	102%		
D101014CCVA	D101014CCVA	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	106%		
D101014CCVA	D101014CCVA	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	96%		
D101014CCVA	D101014CCVA	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	100%		
D101014CCVA	D101014CCVA	ORG 104-51-8	n-Butylbenzene	57		ug/L	5	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	114%		
D101014CCVA	D101014CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	49		ug/L	5	1.59	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	98%		
D101014CCVA	D101014CCVA	ORG 87-68-3	Hexachlorobutadiene	57		ug/L	5	0.65	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	114%		
D101014CCVA	D101014CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	98%		
D101014CCVA	D101014CCVA	ORG 91-20-3	Naphthalene	43		ug/L	5	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	86%		
D101014CCVA	D101014CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	52		ug/L	5	0.23	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	104%		
D101014CCVA	D101014CCVA	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	100%		
D101014CCVA	D101014CCVA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	98%		
D101014CCVA	D101014CCVA	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	100%		
D101014CCVA	D101014CCVA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4922	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101014MBKA	D101014MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101014MBKA	D101014MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924				
D101014MBKA	D101014MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924	50	98%		
D101014MBKA	D101014MBKA	STD 17060-07-0	1,2-Dichloroethane d4	54		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924	50	108%		
D101014MBKA	D101014MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924	50	104%		
D101014MBKA	D101014MBKA	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4924	50	108%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101014ALCS	D101014ALCS	ORG 75-71-8	Dichlorodifluoromethane	61		ug/L	5	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	122%		
D101014ALCS	D101014ALCS	ORG 74-87-3	Chloromethane	51		ug/L	5	0.43	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	102%		
D101014ALCS	D101014ALCS	ORG 75-01-4	Vinyl chloride	48		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	96%		
D101014ALCS	D101014ALCS	ORG 74-83-9	Bromomethane	49		ug/L	5	0.50	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	98%		
D101014ALCS	D101014ALCS	ORG 75-00-3	Chloroethane	43		ug/L	5	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	86%		
D101014ALCS	D101014ALCS	ORG 75-69-4	Trichlorofluoromethane	61		ug/L	5	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	122%		
D101014ALCS	D101014ALCS	ORG 75-35-4	1,1-Dichloroethene	43		ug/L	1	0.47	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	86%		
D101014ALCS	D101014ALCS	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	96%		
D101014ALCS	D101014ALCS	ORG 67-64-1	Acetone	75		ug/L	10	1.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	150%		
D101014ALCS	D101014ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	90%		
D101014ALCS	D101014ALCS	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	102%		
D101014ALCS	D101014ALCS	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	94%		
D101014ALCS	D101014ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	98%		
D101014ALCS	D101014ALCS	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	92%		
D101014ALCS	D101014ALCS	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	92%		
D101014ALCS	D101014ALCS	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	98%		
D101014ALCS	D101014ALCS	ORG 78-93-3	2-Butanone	55		ug/L	1	0.81	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	110%		
D101014ALCS	D101014ALCS	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	100%		
D101014ALCS	D101014ALCS	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	96%		
D101014ALCS	D101014ALCS	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	96%		
D101014ALCS	D101014ALCS	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	96%		
D101014ALCS	D101014ALCS	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	92%		
D101014ALCS	D101014ALCS	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	96%		
D101014ALCS	D101014ALCS	ORG 75-27-4	Bromodichloromethane	49		ug/L	2	0.12	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	98%		
D101014ALCS	D101014ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	104%		
D101014ALCS	D101014ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	92%		
D101014ALCS	D101014ALCS	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	112%		
D101014ALCS	D101014ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	110%		
D101014ALCS	D101014ALCS	ORG 127-18-4	Tetrachloroethene	44		ug/L	1	0.49	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	88%		
D101014ALCS	D101014ALCS	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	90%		
D101014ALCS	D101014ALCS	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	104%		
D101014ALCS	D101014ALCS	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	96%		
D101014ALCS	D101014ALCS	ORG 591-78-6	2-Hexanone	80		ug/L	2	0.69	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	160%		
D101014ALCS	D101014ALCS	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	106%		
D101014ALCS	D101014ALCS	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	94%		
D101014ALCS	D101014ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	100%		
D101014ALCS	D101014ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	100	110%		
D101014ALCS	D101014ALCS	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	112%		
D101014ALCS	D101014ALCS	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	98%		
D101014ALCS	D101014ALCS	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	108%		
D101014ALCS	D101014ALCS	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	104%		
D101014ALCS	D101014ALCS	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	110%		
D101014ALCS	D101014ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	94%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101014ALCS	D101014ALCS	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	92%		
D101014ALCS	D101014ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	110%		
D101014ALCS	D101014ALCS	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	106%		
D101014ALCS	D101014ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	102%		
D101014ALCS	D101014ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	104%		
D101014ALCS	D101014ALCS	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	100%		
D101014ALCS	D101014ALCS	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	104%		
D101014ALCS	D101014ALCS	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	94%		
D101014ALCS	D101014ALCS	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	100%		
D101014ALCS	D101014ALCS	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	112%		
D101014ALCS	D101014ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	54		ug/L	5	1.59	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	108%		
D101014ALCS	D101014ALCS	ORG 87-68-3	Hexachlorobutadiene	56		ug/L	5	0.65	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	112%		
D101014ALCS	D101014ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	98%		
D101014ALCS	D101014ALCS	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	92%		
D101014ALCS	D101014ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	53		ug/L	5	0.23	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	106%		
D101014ALCS	D101014ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	98%		
D101014ALCS	D101014ALCS	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	98%		
D101014ALCS	D101014ALCS	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	98%		
D101014ALCS	D101014ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4923	50	102%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101014ALCD	D101014ALCD	ORG 75-71-8	Dichlorodifluoromethane	63		ug/L	5	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	126%	3%	
D101014ALCD	D101014ALCD	ORG 74-87-3	Chloromethane	51		ug/L	5	0.43	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	102%	0%	
D101014ALCD	D101014ALCD	ORG 75-01-4	Vinyl chloride	49		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	98%	2%	
D101014ALCD	D101014ALCD	ORG 74-83-9	Bromomethane	59		ug/L	5	0.50	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	118%	19%	
D101014ALCD	D101014ALCD	ORG 75-00-3	Chloroethane	48		ug/L	5	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	96%	11%	
D101014ALCD	D101014ALCD	ORG 75-69-4	Trichlorofluoromethane	74		ug/L	5	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	148%	19%	
D101014ALCD	D101014ALCD	ORG 75-35-4	1,1-Dichloroethene	51		ug/L	1	0.47	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	102%	17%	
D101014ALCD	D101014ALCD	ORG 75-09-2	Methylene chloride	34		ug/L	5	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	68%	34%	
D101014ALCD	D101014ALCD	ORG 67-64-1	Acetone	70		ug/L	10	1.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	140%	7%	
D101014ALCD	D101014ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	48		ug/L	1	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	96%	6%	
D101014ALCD	D101014ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	98%	4%	
D101014ALCD	D101014ALCD	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	94%	0%	
D101014ALCD	D101014ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	96%	2%	
D101014ALCD	D101014ALCD	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	92%	0%	
D101014ALCD	D101014ALCD	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	94%	2%	
D101014ALCD	D101014ALCD	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	102%	4%	
D101014ALCD	D101014ALCD	ORG 78-93-3	2-Butanone	55		ug/L	1	0.81	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	110%	0%	
D101014ALCD	D101014ALCD	ORG 56-23-5	Carbon tetrachloride	54		ug/L	1	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	108%	8%	
D101014ALCD	D101014ALCD	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	98%	2%	
D101014ALCD	D101014ALCD	ORG 107-06-2	1,2-Dichloroethane	50		ug/L	1	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	100%	4%	
D101014ALCD	D101014ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	96%	0%	
D101014ALCD	D101014ALCD	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	96%	4%	
D101014ALCD	D101014ALCD	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	98%	2%	
D101014ALCD	D101014ALCD	ORG 75-27-4	Bromodichloromethane	51		ug/L	2	0.12	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	102%	4%	
D101014ALCD	D101014ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	104%	0%	
D101014ALCD	D101014ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	92%	0%	
D101014ALCD	D101014ALCD	ORG 108-10-1	4-Methyl-2-pentanone	55		ug/L	5	0.74	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	110%	2%	
D101014ALCD	D101014ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	114%	4%	
D101014ALCD	D101014ALCD	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	82%	7%	
D101014ALCD	D101014ALCD	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	92%	2%	
D101014ALCD	D101014ALCD	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	104%	0%	
D101014ALCD	D101014ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	100%	4%	
D101014ALCD	D101014ALCD	ORG 591-78-6	2-Hexanone	77		ug/L	2	0.69	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	154%	4%	
D101014ALCD	D101014ALCD	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	106%	0%	
D101014ALCD	D101014ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	94%	0%	
D101014ALCD	D101014ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	104%	4%	
D101014ALCD	D101014ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	100	110%	0%	
D101014ALCD	D101014ALCD	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	112%	0%	
D101014ALCD	D101014ALCD	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	100%	2%	
D101014ALCD	D101014ALCD	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	104%	4%	
D101014ALCD	D101014ALCD	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	104%	0%	
D101014ALCD	D101014ALCD	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	110%	0%	
D101014ALCD	D101014ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	94%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101014ALCD	D101014ALCD	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	94%	2%	
D101014ALCD	D101014ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	112%	2%	
D101014ALCD	D101014ALCD	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	108%	2%	
D101014ALCD	D101014ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	104%	2%	
D101014ALCD	D101014ALCD	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	106%	2%	
D101014ALCD	D101014ALCD	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	102%	2%	
D101014ALCD	D101014ALCD	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	104%	0%	
D101014ALCD	D101014ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	96%	2%	
D101014ALCD	D101014ALCD	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	102%	2%	
D101014ALCD	D101014ALCD	ORG 104-51-8	n-Butylbenzene	57		ug/L	5	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	114%	2%	
D101014ALCD	D101014ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	51		ug/L	5	1.59	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	102%	6%	
D101014ALCD	D101014ALCD	ORG 87-68-3	Hexachlorobutadiene	59		ug/L	5	0.65	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	118%	5%	
D101014ALCD	D101014ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	100%	2%	
D101014ALCD	D101014ALCD	ORG 91-20-3	Naphthalene	45		ug/L	5	0.56	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	90%	2%	
D101014ALCD	D101014ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	54		ug/L	5	0.23	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	108%	2%	
D101014ALCD	D101014ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	100%	2%	
D101014ALCD	D101014ALCD	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	102%	4%	
D101014ALCD	D101014ALCD	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	98%	0%	
D101014ALCD	D101014ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/10/2014	10/10/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4927	50	102%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1709MS	T1-032	ORG 75-71-8	Dichlorodifluoromethane	5900		ug/L	500	29.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	118%		
NAL13026-1709MS	T1-032	ORG 74-87-3	Chloromethane	4900		ug/L	500	43.07	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	98%		
NAL13026-1709MS	T1-032	ORG 75-01-4	Vinyl chloride	4400		ug/L	200	31.86	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	88%		
NAL13026-1709MS	T1-032	ORG 74-83-9	Bromomethane	4200		ug/L	500	50.04	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	84%		
NAL13026-1709MS	T1-032	ORG 75-00-3	Chloroethane	4500		ug/L	500	55.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	90%		
NAL13026-1709MS	T1-032	ORG 75-69-4	Trichlorofluoromethane	5700		ug/L	500	19.65	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	114%		
NAL13026-1709MS	T1-032	ORG 75-35-4	1,1-Dichloroethene	4400		ug/L	100	47.11	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	88%		
NAL13026-1709MS	T1-032	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	94%		
NAL13026-1709MS	T1-032	ORG 67-64-1	Acetone	64000		ug/L	1000	155.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	0%		64000
NAL13026-1709MS	T1-032	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	92%		
NAL13026-1709MS	T1-032	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	100%		
NAL13026-1709MS	T1-032	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	90%		
NAL13026-1709MS	T1-032	ORG 156-59-2	cis-1,2-Dichloroethene	4800		ug/L	100	32.11	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	96%		
NAL13026-1709MS	T1-032	ORG 74-97-5	Bromochloromethane	4500		ug/L	1000	41.37	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	90%		
NAL13026-1709MS	T1-032	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	92%		
NAL13026-1709MS	T1-032	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	100%		
NAL13026-1709MS	T1-032	ORG 78-93-3	2-Butanone	15000		ug/L	100	81.18	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	126%		8700
NAL13026-1709MS	T1-032	ORG 56-23-5	Carbon tetrachloride	5300		ug/L	100	27.64	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	106%		
NAL13026-1709MS	T1-032	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	96%		
NAL13026-1709MS	T1-032	ORG 107-06-2	1,2-Dichloroethane	4900		ug/L	100	20.01	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	98%		
NAL13026-1709MS	T1-032	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	96%		
NAL13026-1709MS	T1-032	ORG 74-95-3	Dibromomethane	4800		ug/L	200	32.20	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	96%		
NAL13026-1709MS	T1-032	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	100%		
NAL13026-1709MS	T1-032	ORG 75-27-4	Bromodichloromethane	4900		ug/L	200	11.58	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	98%		
NAL13026-1709MS	T1-032	ORG 10061-01-5	cis-1,3-Dichloropropene	5300		ug/L	100	25.01	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	106%		
NAL13026-1709MS	T1-032	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	92%		
NAL13026-1709MS	T1-032	ORG 108-10-1	4-Methyl-2-pentanone	5300		ug/L	500	74.00	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	104%		120
NAL13026-1709MS	T1-032	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	110%		
NAL13026-1709MS	T1-032	ORG 127-18-4	Tetrachloroethene	4300		ug/L	100	48.56	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	86%		
NAL13026-1709MS	T1-032	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	90%		
NAL13026-1709MS	T1-032	ORG 124-48-1	Dibromochloromethane	5200		ug/L	500	29.90	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	104%		
NAL13026-1709MS	T1-032	ORG 106-93-4	1,2-Dibromoethane	5000		ug/L	200	26.49	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	100%		
NAL13026-1709MS	T1-032	ORG 591-78-6	2-Hexanone	4900		ug/L	200	68.90	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	98%		
NAL13026-1709MS	T1-032	ORG 100-41-4	Ethylbenzene	5200		ug/L	100	25.38	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	104%		
NAL13026-1709MS	T1-032	ORG 108-90-7	Chlorobenzene	4600		ug/L	100	27.52	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	92%		
NAL13026-1709MS	T1-032	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	98%		
NAL13026-1709MS	T1-032	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	10000	110%		
NAL13026-1709MS	T1-032	ORG 95-47-6	o-Xylene	5500		ug/L	100	12.90	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	110%		
NAL13026-1709MS	T1-032	ORG 100-42-5	Styrene	4900		ug/L	100	20.23	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	98%		
NAL13026-1709MS	T1-032	ORG 75-25-2	Bromoform	5100		ug/L	200	46.83	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	102%		
NAL13026-1709MS	T1-032	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	104%		
NAL13026-1709MS	T1-032	ORG 103-65-1	n-Propylbenzene	5400		ug/L	200	27.00	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	108%		
NAL13026-1709MS	T1-032	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	94%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1709MS	T1-032	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	92%		
NAL13026-1709MS	T1-032	ORG 108-67-8	1,3,5-Trimethylbenzene	5400		ug/L	200	20.03	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	108%		
NAL13026-1709MS	T1-032	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	104%		
NAL13026-1709MS	T1-032	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	100%		
NAL13026-1709MS	T1-032	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	102%		
NAL13026-1709MS	T1-032	ORG 541-73-1	1,3-Dichlorobenzene	5000		ug/L	200	22.21	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	100%		
NAL13026-1709MS	T1-032	ORG 99-87-6	p-Isopropyltoluene	5100		ug/L	200	25.48	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	95%		330
NAL13026-1709MS	T1-032	ORG 106-46-7	1,4-Dichlorobenzene	4700		ug/L	200	33.03	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	93%		66
NAL13026-1709MS	T1-032	ORG 95-50-1	1,2-Dichlorobenzene	4900		ug/L	200	26.38	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	98%		
NAL13026-1709MS	T1-032	ORG 104-51-8	n-Butylbenzene	5500		ug/L	500	27.81	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	110%		
NAL13026-1709MS	T1-032	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5600		ug/L	500	159.11	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	112%		
NAL13026-1709MS	T1-032	ORG 87-68-3	Hexachlorobutadiene	5600		ug/L	500	65.42	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	112%		
NAL13026-1709MS	T1-032	ORG 120-82-1	1,2,4-Trichlorobenzene	5100		ug/L	500	27.63	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	102%		
NAL13026-1709MS	T1-032	ORG 91-20-3	Naphthalene	5000		ug/L	500	56.04	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	96%		180
NAL13026-1709MS	T1-032	ORG 87-61-6	1,2,3-Trichlorobenzene	5300		ug/L	500	23.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	5000	106%		
NAL13026-1709MS	T1-032	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	50	98%		
NAL13026-1709MS	T1-032	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	50	100%		
NAL13026-1709MS	T1-032	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	50	98%		
NAL13026-1709MS	T1-032	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4928	50	104%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1709MSD	T1-032	ORG 75-71-8	Dichlorodifluoromethane	5800		ug/L	500	29.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	116%	2%	
NAL13026-1709MSD	T1-032	ORG 74-87-3	Chloromethane	4900		ug/L	500	43.07	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	98%	0%	
NAL13026-1709MSD	T1-032	ORG 75-01-4	Vinyl chloride	4500		ug/L	200	31.86	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	90%	2%	
NAL13026-1709MSD	T1-032	ORG 74-83-9	Bromomethane	4700		ug/L	500	50.04	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	94%	11%	
NAL13026-1709MSD	T1-032	ORG 75-00-3	Chloroethane	4200		ug/L	500	55.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	84%	7%	
NAL13026-1709MSD	T1-032	ORG 75-69-4	Trichlorofluoromethane	6500		ug/L	500	19.65	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	130%	13%	
NAL13026-1709MSD	T1-032	ORG 75-35-4	1,1-Dichloroethene	4000		ug/L	100	47.11	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	80%	10%	
NAL13026-1709MSD	T1-032	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	94%	0%	
NAL13026-1709MSD	T1-032	ORG 67-64-1	Acetone	60000		ug/L	1000	155.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	-80%	6%	64000
NAL13026-1709MSD	T1-032	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	90%	2%	
NAL13026-1709MSD	T1-032	ORG 1634-04-4	MTBE	4800		ug/L	500	61.18	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	96%	4%	
NAL13026-1709MSD	T1-032	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	90%	0%	
NAL13026-1709MSD	T1-032	ORG 156-59-2	cis-1,2-Dichloroethene	4800		ug/L	100	32.11	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	96%	0%	
NAL13026-1709MSD	T1-032	ORG 74-97-5	Bromochloromethane	4400		ug/L	1000	41.37	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	88%	2%	
NAL13026-1709MSD	T1-032	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	92%	0%	
NAL13026-1709MSD	T1-032	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	98%	2%	
NAL13026-1709MSD	T1-032	ORG 78-93-3	2-Butanone	15000		ug/L	100	81.18	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	126%	0%	8700
NAL13026-1709MSD	T1-032	ORG 56-23-5	Carbon tetrachloride	4800		ug/L	100	27.64	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	96%	10%	
NAL13026-1709MSD	T1-032	ORG 71-43-2	Benzene	4700		ug/L	100	13.53	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	94%	2%	
NAL13026-1709MSD	T1-032	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	92%	6%	
NAL13026-1709MSD	T1-032	ORG 79-01-6	Trichloroethene	4600		ug/L	100	36.33	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	92%	4%	
NAL13026-1709MSD	T1-032	ORG 74-95-3	Dibromomethane	4600		ug/L	200	32.20	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	92%	4%	
NAL13026-1709MSD	T1-032	ORG 78-87-5	1,2-Dichloropropane	4900		ug/L	100	18.17	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	98%	2%	
NAL13026-1709MSD	T1-032	ORG 75-27-4	Bromodichloromethane	5000		ug/L	200	11.58	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	100%	2%	
NAL13026-1709MSD	T1-032	ORG 10061-01-5	cis-1,3-Dichloropropene	5200		ug/L	100	25.01	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	104%	2%	
NAL13026-1709MSD	T1-032	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	92%	0%	
NAL13026-1709MSD	T1-032	ORG 108-10-1	4-Methyl-2-pentanone	5000		ug/L	500	74.00	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	98%	6%	120
NAL13026-1709MSD	T1-032	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	110%	0%	
NAL13026-1709MSD	T1-032	ORG 127-18-4	Tetrachloroethene	4400		ug/L	100	48.56	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	88%	2%	
NAL13026-1709MSD	T1-032	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	90%	0%	
NAL13026-1709MSD	T1-032	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	100%	4%	
NAL13026-1709MSD	T1-032	ORG 106-93-4	1,2-Dibromoethane	4900		ug/L	200	26.49	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	98%	2%	
NAL13026-1709MSD	T1-032	ORG 591-78-6	2-Hexanone	4200		ug/L	200	68.90	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	84%	15%	
NAL13026-1709MSD	T1-032	ORG 100-41-4	Ethylbenzene	5200		ug/L	100	25.38	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	104%	0%	
NAL13026-1709MSD	T1-032	ORG 108-90-7	Chlorobenzene	4600		ug/L	100	27.52	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	92%	0%	
NAL13026-1709MSD	T1-032	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	100%	2%	
NAL13026-1709MSD	T1-032	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	10000	110%	0%	
NAL13026-1709MSD	T1-032	ORG 95-47-6	o-Xylene	5600		ug/L	100	12.90	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	112%	2%	
NAL13026-1709MSD	T1-032	ORG 100-42-5	Styrene	5000		ug/L	100	20.23	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	100%	2%	
NAL13026-1709MSD	T1-032	ORG 75-25-2	Bromoform	5200		ug/L	200	46.83	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	104%	2%	
NAL13026-1709MSD	T1-032	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	104%	0%	
NAL13026-1709MSD	T1-032	ORG 103-65-1	n-Propylbenzene	5500		ug/L	200	27.00	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	110%	2%	
NAL13026-1709MSD	T1-032	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	94%	0%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1709MSD	T1-032	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	92%	0%	
NAL13026-1709MSD	T1-032	ORG 108-67-8	1,3,5-Trimethylbenzene	5500		ug/L	200	20.03	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	110%	2%	
NAL13026-1709MSD	T1-032	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	106%	2%	
NAL13026-1709MSD	T1-032	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	100%	0%	
NAL13026-1709MSD	T1-032	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	102%	0%	
NAL13026-1709MSD	T1-032	ORG 541-73-1	1,3-Dichlorobenzene	5100		ug/L	200	22.21	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	102%	2%	
NAL13026-1709MSD	T1-032	ORG 99-87-6	p-Isopropyltoluene	5100		ug/L	200	25.48	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	95%	0%	330
NAL13026-1709MSD	T1-032	ORG 106-46-7	1,4-Dichlorobenzene	4800		ug/L	200	33.03	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	95%	2%	66
NAL13026-1709MSD	T1-032	ORG 95-50-1	1,2-Dichlorobenzene	5100		ug/L	200	26.38	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	102%	4%	
NAL13026-1709MSD	T1-032	ORG 104-51-8	n-Butylbenzene	5600		ug/L	500	27.81	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	112%	2%	
NAL13026-1709MSD	T1-032	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5400		ug/L	500	159.11	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	108%	4%	
NAL13026-1709MSD	T1-032	ORG 87-68-3	Hexachlorobutadiene	5500		ug/L	500	65.42	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	110%	2%	
NAL13026-1709MSD	T1-032	ORG 120-82-1	1,2,4-Trichlorobenzene	5200		ug/L	500	27.63	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	104%	2%	
NAL13026-1709MSD	T1-032	ORG 91-20-3	Naphthalene	5100		ug/L	500	56.04	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	98%	2%	180
NAL13026-1709MSD	T1-032	ORG 87-61-6	1,2,3-Trichlorobenzene	5300		ug/L	500	23.28	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	5000	106%	0%	
NAL13026-1709MSD	T1-032	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	50	98%	0%	
NAL13026-1709MSD	T1-032	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	50	98%	2%	
NAL13026-1709MSD	T1-032	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	50	98%	0%	
NAL13026-1709MSD	T1-032	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/10/2014	10/10/2014	10/10/2014	WG	100	NA	5.0	NA	SW8260B	NALD4929	50	104%	0%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1710	T1-033	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 67-64-1	Acetone	86000	DX+	ug/L	1000	155.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 78-93-3	2-Butanone	14000		ug/L	1000	81.18	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 108-10-1	4-Methyl-2-pentanone	210	J	ug/L	500	74.00	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 591-78-6	2-Hexanone	150	JX+	ug/L	500	68.90	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1710	T1-033	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 95-63-6	1,2,4-Trimethylbenzene	220		ug/L	200	20.03	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 541-73-1	1,3-Dichlorobenzene	380		ug/L	200	22.21	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 99-87-6	p-Isopropyltoluene	85	J	ug/L	200	25.48	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	200	33.03	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 91-20-3	Naphthalene	300	J	ug/L	500	56.04	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934				
NAL13026-1710	T1-033	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934	50	98%		
NAL13026-1710	T1-033	STD 17060-07-0	1,2-Dichloroethane d4	54		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934	50	108%		
NAL13026-1710	T1-033	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934	50	104%		
NAL13026-1710	T1-033	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4934	50	108%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101114CCVA	D101114CCVA	ORG 75-71-8	Dichlorodifluoromethane	62		ug/L	5	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	124%		
D101114CCVA	D101114CCVA	ORG 74-87-3	Chloromethane	52		ug/L	5	0.43	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	104%		
D101114CCVA	D101114CCVA	ORG 75-01-4	Vinyl chloride	52		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	104%		
D101114CCVA	D101114CCVA	ORG 74-83-9	Bromomethane	69		ug/L	5	0.50	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	138%		
D101114CCVA	D101114CCVA	ORG 75-00-3	Chloroethane	45		ug/L	5	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	90%		
D101114CCVA	D101114CCVA	ORG 75-69-4	Trichlorofluoromethane	93		ug/L	5	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	186%		
D101114CCVA	D101114CCVA	ORG 75-35-4	1,1-Dichloroethene	47		ug/L	1	0.47	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	94%		
D101114CCVA	D101114CCVA	ORG 75-09-2	Methylene chloride	51		ug/L	5	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	102%		
D101114CCVA	D101114CCVA	ORG 67-64-1	Acetone	62		ug/L	10	1.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	124%		
D101114CCVA	D101114CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	94%		
D101114CCVA	D101114CCVA	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	102%		
D101114CCVA	D101114CCVA	ORG 75-34-3	1,1-Dichloroethane	48		ug/L	1	0.53	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	96%		
D101114CCVA	D101114CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	98%		
D101114CCVA	D101114CCVA	ORG 74-97-5	Bromochloromethane	47		ug/L	10	0.41	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	94%		
D101114CCVA	D101114CCVA	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	94%		
D101114CCVA	D101114CCVA	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	98%		
D101114CCVA	D101114CCVA	ORG 78-93-3	2-Butanone	55		ug/L	1	0.81	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	110%		
D101114CCVA	D101114CCVA	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	104%		
D101114CCVA	D101114CCVA	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	98%		
D101114CCVA	D101114CCVA	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	96%		
D101114CCVA	D101114CCVA	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	96%		
D101114CCVA	D101114CCVA	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	94%		
D101114CCVA	D101114CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	98%		
D101114CCVA	D101114CCVA	ORG 75-27-4	Bromodichloromethane	51		ug/L	2	0.12	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	102%		
D101114CCVA	D101114CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	108%		
D101114CCVA	D101114CCVA	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	94%		
D101114CCVA	D101114CCVA	ORG 108-10-1	4-Methyl-2-pentanone	52		ug/L	5	0.74	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	104%		
D101114CCVA	D101114CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	114%		
D101114CCVA	D101114CCVA	ORG 127-18-4	Tetrachloroethene	43		ug/L	1	0.49	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	86%		
D101114CCVA	D101114CCVA	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	92%		
D101114CCVA	D101114CCVA	ORG 124-48-1	Dibromochloromethane	54		ug/L	5	0.30	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	108%		
D101114CCVA	D101114CCVA	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	102%		
D101114CCVA	D101114CCVA	ORG 591-78-6	2-Hexanone	68		ug/L	2	0.69	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	136%		
D101114CCVA	D101114CCVA	ORG 100-41-4	Ethylbenzene	56		ug/L	1	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	112%		
D101114CCVA	D101114CCVA	ORG 108-90-7	Chlorobenzene	50		ug/L	1	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	100%		
D101114CCVA	D101114CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	54		ug/L	2	0.19	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	108%		
D101114CCVA	D101114CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	100	110%		
D101114CCVA	D101114CCVA	ORG 95-47-6	o-Xylene	58		ug/L	1	0.13	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	116%		
D101114CCVA	D101114CCVA	ORG 100-42-5	Styrene	53		ug/L	1	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	106%		
D101114CCVA	D101114CCVA	ORG 75-25-2	Bromoform	55		ug/L	2	0.47	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	110%		
D101114CCVA	D101114CCVA	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	110%		
D101114CCVA	D101114CCVA	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	116%		
D101114CCVA	D101114CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	96%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101114CCVA	D101114CCVA	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	94%		
D101114CCVA	D101114CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	58		ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	116%		
D101114CCVA	D101114CCVA	ORG 98-06-6	tert-Butylbenzene	56		ug/L	2	0.33	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	112%		
D101114CCVA	D101114CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	106%		
D101114CCVA	D101114CCVA	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	108%		
D101114CCVA	D101114CCVA	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	104%		
D101114CCVA	D101114CCVA	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	106%		
D101114CCVA	D101114CCVA	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	100%		
D101114CCVA	D101114CCVA	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	102%		
D101114CCVA	D101114CCVA	ORG 104-51-8	n-Butylbenzene	58		ug/L	5	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	116%		
D101114CCVA	D101114CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	106%		
D101114CCVA	D101114CCVA	ORG 87-68-3	Hexachlorobutadiene	58		ug/L	5	0.65	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	116%		
D101114CCVA	D101114CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	100%		
D101114CCVA	D101114CCVA	ORG 91-20-3	Naphthalene	45		ug/L	5	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	90%		
D101114CCVA	D101114CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	54		ug/L	5	0.23	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	108%		
D101114CCVA	D101114CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	98%		
D101114CCVA	D101114CCVA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	98%		
D101114CCVA	D101114CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	98%		
D101114CCVA	D101114CCVA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4931	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101114MBKA	D101114MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101114MBKA	D101114MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033				
D101114MBKA	D101114MBKA	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033	50	100%		
D101114MBKA	D101114MBKA	STD 17060-07-0	1,2-Dichloroethane d4	54		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033	50	108%		
D101114MBKA	D101114MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033	50	104%		
D101114MBKA	D101114MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4033	50	110%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101114ALCS	D101114ALCS	ORG 75-71-8	Dichlorodifluoromethane	60		ug/L	5	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	120%		
D101114ALCS	D101114ALCS	ORG 74-87-3	Chloromethane	49		ug/L	5	0.43	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	ORG 75-01-4	Vinyl chloride	48		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	96%		
D101114ALCS	D101114ALCS	ORG 74-83-9	Bromomethane	57		ug/L	5	0.50	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	114%		
D101114ALCS	D101114ALCS	ORG 75-00-3	Chloroethane	46		ug/L	5	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	92%		
D101114ALCS	D101114ALCS	ORG 75-69-4	Trichlorofluoromethane	80		ug/L	5	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	160%		
D101114ALCS	D101114ALCS	ORG 75-35-4	1,1-Dichloroethene	44		ug/L	1	0.47	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	88%		
D101114ALCS	D101114ALCS	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	96%		
D101114ALCS	D101114ALCS	ORG 67-64-1	Acetone	92		ug/L	10	1.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	184%		
D101114ALCS	D101114ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	94%		
D101114ALCS	D101114ALCS	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	104%		
D101114ALCS	D101114ALCS	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	94%		
D101114ALCS	D101114ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	92%		
D101114ALCS	D101114ALCS	ORG 67-66-3	Chloroform	48		ug/L	2	0.16	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	96%		
D101114ALCS	D101114ALCS	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	ORG 78-93-3	2-Butanone	61		ug/L	1	0.81	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	122%		
D101114ALCS	D101114ALCS	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	ORG 107-06-2	1,2-Dichloroethane	49		ug/L	1	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	94%		
D101114ALCS	D101114ALCS	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	96%		
D101114ALCS	D101114ALCS	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	100%		
D101114ALCS	D101114ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	51		ug/L	1	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	102%		
D101114ALCS	D101114ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	92%		
D101114ALCS	D101114ALCS	ORG 108-10-1	4-Methyl-2-pentanone	57		ug/L	5	0.74	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	114%		
D101114ALCS	D101114ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	114%		
D101114ALCS	D101114ALCS	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	90%		
D101114ALCS	D101114ALCS	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	94%		
D101114ALCS	D101114ALCS	ORG 124-48-1	Dibromochloromethane	54		ug/L	5	0.30	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	108%		
D101114ALCS	D101114ALCS	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	102%		
D101114ALCS	D101114ALCS	ORG 591-78-6	2-Hexanone	84		ug/L	2	0.69	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	168%		
D101114ALCS	D101114ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	108%		
D101114ALCS	D101114ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	96%		
D101114ALCS	D101114ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	104%		
D101114ALCS	D101114ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	100	110%		
D101114ALCS	D101114ALCS	ORG 95-47-6	o-Xylene	57		ug/L	1	0.13	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	114%		
D101114ALCS	D101114ALCS	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	102%		
D101114ALCS	D101114ALCS	ORG 75-25-2	Bromoform	55		ug/L	2	0.47	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	110%		
D101114ALCS	D101114ALCS	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	104%		
D101114ALCS	D101114ALCS	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	110%		
D101114ALCS	D101114ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	50		ug/L	2	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	100%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101114ALCS	D101114ALCS	ORG 96-18-4	1,2,3-Trichloropropane	49		ug/L	2	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	112%		
D101114ALCS	D101114ALCS	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	106%		
D101114ALCS	D101114ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	104%		
D101114ALCS	D101114ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	104%		
D101114ALCS	D101114ALCS	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	102%		
D101114ALCS	D101114ALCS	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	102%		
D101114ALCS	D101114ALCS	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	96%		
D101114ALCS	D101114ALCS	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	102%		
D101114ALCS	D101114ALCS	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	110%		
D101114ALCS	D101114ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	59		ug/L	5	1.59	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	118%		
D101114ALCS	D101114ALCS	ORG 87-68-3	Hexachlorobutadiene	55		ug/L	5	0.65	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	110%		
D101114ALCS	D101114ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	ORG 91-20-3	Naphthalene	49		ug/L	5	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	55		ug/L	5	0.23	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	110%		
D101114ALCS	D101114ALCS	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	100%		
D101114ALCS	D101114ALCS	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	100%		
D101114ALCS	D101114ALCS	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	98%		
D101114ALCS	D101114ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4932	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101114ALCD	D101114ALCD	ORG 75-71-8	Dichlorodifluoromethane	61		ug/L	5	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	122%	2%	
D101114ALCD	D101114ALCD	ORG 74-87-3	Chloromethane	49		ug/L	5	0.43	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	98%	0%	
D101114ALCD	D101114ALCD	ORG 75-01-4	Vinyl chloride	48		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	96%	0%	
D101114ALCD	D101114ALCD	ORG 74-83-9	Bromomethane	65		ug/L	5	0.50	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	130%	13%	
D101114ALCD	D101114ALCD	ORG 75-00-3	Chloroethane	49		ug/L	5	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	98%	6%	
D101114ALCD	D101114ALCD	ORG 75-69-4	Trichlorofluoromethane	110		ug/L	5	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	220%	32%	
D101114ALCD	D101114ALCD	ORG 75-35-4	1,1-Dichloroethene	49		ug/L	1	0.47	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	98%	11%	
D101114ALCD	D101114ALCD	ORG 75-09-2	Methylene chloride	35		ug/L	5	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	70%	31%	
D101114ALCD	D101114ALCD	ORG 67-64-1	Acetone	37		ug/L	10	1.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	74%	85%	
D101114ALCD	D101114ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	48		ug/L	1	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	96%	2%	
D101114ALCD	D101114ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	98%	6%	
D101114ALCD	D101114ALCD	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	94%	0%	
D101114ALCD	D101114ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	96%	2%	
D101114ALCD	D101114ALCD	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	92%	0%	
D101114ALCD	D101114ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	92%	4%	
D101114ALCD	D101114ALCD	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	102%	4%	
D101114ALCD	D101114ALCD	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	106%	14%	
D101114ALCD	D101114ALCD	ORG 56-23-5	Carbon tetrachloride	53		ug/L	1	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	106%	8%	
D101114ALCD	D101114ALCD	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	96%	2%	
D101114ALCD	D101114ALCD	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	96%	2%	
D101114ALCD	D101114ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	96%	2%	
D101114ALCD	D101114ALCD	ORG 74-95-3	Dibromomethane	45		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	90%	6%	
D101114ALCD	D101114ALCD	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	98%	0%	
D101114ALCD	D101114ALCD	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	100%	0%	
D101114ALCD	D101114ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	106%	4%	
D101114ALCD	D101114ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	94%	2%	
D101114ALCD	D101114ALCD	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	106%	7%	
D101114ALCD	D101114ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	112%	2%	
D101114ALCD	D101114ALCD	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	82%	9%	
D101114ALCD	D101114ALCD	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	90%	4%	
D101114ALCD	D101114ALCD	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	102%	6%	
D101114ALCD	D101114ALCD	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	96%	6%	
D101114ALCD	D101114ALCD	ORG 591-78-6	2-Hexanone	74		ug/L	2	0.69	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	148%	13%	
D101114ALCD	D101114ALCD	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	110%	2%	
D101114ALCD	D101114ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	98%	2%	
D101114ALCD	D101114ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	54		ug/L	2	0.19	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	108%	4%	
D101114ALCD	D101114ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	100	110%	0%	
D101114ALCD	D101114ALCD	ORG 95-47-6	o-Xylene	58		ug/L	1	0.13	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	116%	2%	
D101114ALCD	D101114ALCD	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	102%	0%	
D101114ALCD	D101114ALCD	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	100%	10%	
D101114ALCD	D101114ALCD	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	110%	6%	
D101114ALCD	D101114ALCD	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	116%	5%	
D101114ALCD	D101114ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	90%	11%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101114ALCD	D101114ALCD	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	90%	9%	
D101114ALCD	D101114ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	57		ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	114%	2%	
D101114ALCD	D101114ALCD	ORG 98-06-6	tert-Butylbenzene	56		ug/L	2	0.33	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	112%	6%	
D101114ALCD	D101114ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	106%	2%	
D101114ALCD	D101114ALCD	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	108%	4%	
D101114ALCD	D101114ALCD	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	104%	2%	
D101114ALCD	D101114ALCD	ORG 99-87-6	p-Isopropyltoluene	54		ug/L	2	0.25	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	108%	6%	
D101114ALCD	D101114ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	96%	0%	
D101114ALCD	D101114ALCD	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	100%	2%	
D101114ALCD	D101114ALCD	ORG 104-51-8	n-Butylbenzene	59		ug/L	5	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	118%	7%	
D101114ALCD	D101114ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	46		ug/L	5	1.59	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	92%	25%	
D101114ALCD	D101114ALCD	ORG 87-68-3	Hexachlorobutadiene	60		ug/L	5	0.65	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	120%	9%	
D101114ALCD	D101114ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	100%	2%	
D101114ALCD	D101114ALCD	ORG 91-20-3	Naphthalene	44		ug/L	5	0.56	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	88%	11%	
D101114ALCD	D101114ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	53		ug/L	5	0.23	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	106%	4%	
D101114ALCD	D101114ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	100%	0%	
D101114ALCD	D101114ALCD	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	100%	0%	
D101114ALCD	D101114ALCD	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	98%	0%	
D101114ALCD	D101114ALCD	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/11/2014	10/11/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4936	50	106%	2%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1710MS	T1-033	ORG 75-71-8	Dichlorodifluoromethane	5900		ug/L	500	29.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	118%		
NAL13026-1710MS	T1-033	ORG 74-87-3	Chloromethane	5100		ug/L	500	43.07	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	102%		
NAL13026-1710MS	T1-033	ORG 75-01-4	Vinyl chloride	4700		ug/L	200	31.86	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	94%		
NAL13026-1710MS	T1-033	ORG 74-83-9	Bromomethane	4700		ug/L	500	50.04	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	94%		
NAL13026-1710MS	T1-033	ORG 75-00-3	Chloroethane	4600		ug/L	500	55.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	92%		
NAL13026-1710MS	T1-033	ORG 75-69-4	Trichlorofluoromethane	6600		ug/L	500	19.65	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	132%		
NAL13026-1710MS	T1-033	ORG 75-35-4	1,1-Dichloroethene	4500		ug/L	100	47.11	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	90%		
NAL13026-1710MS	T1-033	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	94%		
NAL13026-1710MS	T1-033	ORG 67-64-1	Acetone	91000		ug/L	1000	155.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	100%		86000
NAL13026-1710MS	T1-033	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	92%		
NAL13026-1710MS	T1-033	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	98%		
NAL13026-1710MS	T1-033	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	92%		
NAL13026-1710MS	T1-033	ORG 156-59-2	cis-1,2-Dichloroethene	4800		ug/L	100	32.11	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	96%		
NAL13026-1710MS	T1-033	ORG 74-97-5	Bromochloromethane	4200		ug/L	1000	41.37	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	84%		
NAL13026-1710MS	T1-033	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	94%		
NAL13026-1710MS	T1-033	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	100%		
NAL13026-1710MS	T1-033	ORG 78-93-3	2-Butanone	21000		ug/L	100	81.18	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	140%		14000
NAL13026-1710MS	T1-033	ORG 56-23-5	Carbon tetrachloride	5300		ug/L	100	27.64	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	106%		
NAL13026-1710MS	T1-033	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	96%		
NAL13026-1710MS	T1-033	ORG 107-06-2	1,2-Dichloroethane	4800		ug/L	100	20.01	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	96%		
NAL13026-1710MS	T1-033	ORG 79-01-6	Trichloroethene	4700		ug/L	100	36.33	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	94%		
NAL13026-1710MS	T1-033	ORG 74-95-3	Dibromomethane	4900		ug/L	200	32.20	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	98%		
NAL13026-1710MS	T1-033	ORG 78-87-5	1,2-Dichloropropane	4900		ug/L	100	18.17	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	98%		
NAL13026-1710MS	T1-033	ORG 75-27-4	Bromodichloromethane	4800		ug/L	200	11.58	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	96%		
NAL13026-1710MS	T1-033	ORG 10061-01-5	cis-1,3-Dichloropropene	5200		ug/L	100	25.01	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	104%		
NAL13026-1710MS	T1-033	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	92%		
NAL13026-1710MS	T1-033	ORG 108-10-1	4-Methyl-2-pentanone	5500		ug/L	500	74.00	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	106%		210
NAL13026-1710MS	T1-033	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	110%		
NAL13026-1710MS	T1-033	ORG 127-18-4	Tetrachloroethene	4100		ug/L	100	48.56	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	82%		
NAL13026-1710MS	T1-033	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	90%		
NAL13026-1710MS	T1-033	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	102%		
NAL13026-1710MS	T1-033	ORG 106-93-4	1,2-Dibromoethane	4900		ug/L	200	26.49	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	98%		
NAL13026-1710MS	T1-033	ORG 591-78-6	2-Hexanone	4600		ug/L	200	68.90	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	89%		150
NAL13026-1710MS	T1-033	ORG 100-41-4	Ethylbenzene	5200		ug/L	100	25.38	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	104%		
NAL13026-1710MS	T1-033	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	94%		
NAL13026-1710MS	T1-033	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	102%		
NAL13026-1710MS	T1-033	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	10000	110%		
NAL13026-1710MS	T1-033	ORG 95-47-6	o-Xylene	5600		ug/L	100	12.90	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	112%		
NAL13026-1710MS	T1-033	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	102%		
NAL13026-1710MS	T1-033	ORG 75-25-2	Bromoform	5300		ug/L	200	46.83	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	106%		
NAL13026-1710MS	T1-033	ORG 98-82-8	Isopropylbenzene	5300		ug/L	200	20.48	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	106%		
NAL13026-1710MS	T1-033	ORG 103-65-1	n-Propylbenzene	5500		ug/L	200	27.00	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	110%		
NAL13026-1710MS	T1-033	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	96%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1710MS	T1-033	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	96%		
NAL13026-1710MS	T1-033	ORG 108-67-8	1,3,5-Trimethylbenzene	5500		ug/L	200	20.03	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	110%		
NAL13026-1710MS	T1-033	ORG 98-06-6	tert-Butylbenzene	5400		ug/L	200	32.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	108%		
NAL13026-1710MS	T1-033	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	98%		220
NAL13026-1710MS	T1-033	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	102%		
NAL13026-1710MS	T1-033	ORG 541-73-1	1,3-Dichlorobenzene	4900		ug/L	200	22.21	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	90%		380
NAL13026-1710MS	T1-033	ORG 99-87-6	p-Isopropyltoluene	5200		ug/L	200	25.48	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	102%		85
NAL13026-1710MS	T1-033	ORG 106-46-7	1,4-Dichlorobenzene	4800		ug/L	200	33.03	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	96%		
NAL13026-1710MS	T1-033	ORG 95-50-1	1,2-Dichlorobenzene	5100		ug/L	200	26.38	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	102%		
NAL13026-1710MS	T1-033	ORG 104-51-8	n-Butylbenzene	5600		ug/L	500	27.81	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	112%		
NAL13026-1710MS	T1-033	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5800		ug/L	500	159.11	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	116%		
NAL13026-1710MS	T1-033	ORG 87-68-3	Hexachlorobutadiene	5600		ug/L	500	65.42	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	112%		
NAL13026-1710MS	T1-033	ORG 120-82-1	1,2,4-Trichlorobenzene	5200		ug/L	500	27.63	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	104%		
NAL13026-1710MS	T1-033	ORG 91-20-3	Naphthalene	5300		ug/L	500	56.04	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	100%		300
NAL13026-1710MS	T1-033	ORG 87-61-6	1,2,3-Trichlorobenzene	5400		ug/L	500	23.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	5000	108%		
NAL13026-1710MS	T1-033	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	50	100%		
NAL13026-1710MS	T1-033	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	50	100%		
NAL13026-1710MS	T1-033	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	50	98%		
NAL13026-1710MS	T1-033	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4937	50	106%		

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1710MSD	T1-033	ORG 75-71-8	Dichlorodifluoromethane	5700		ug/L	500	29.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	114%	3%	
NAL13026-1710MSD	T1-033	ORG 74-87-3	Chloromethane	5100		ug/L	500	43.07	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	102%	0%	
NAL13026-1710MSD	T1-033	ORG 75-01-4	Vinyl chloride	4600		ug/L	200	31.86	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	92%	2%	
NAL13026-1710MSD	T1-033	ORG 74-83-9	Bromomethane	4800		ug/L	500	50.04	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	96%	2%	
NAL13026-1710MSD	T1-033	ORG 75-00-3	Chloroethane	4300		ug/L	500	55.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	86%	7%	
NAL13026-1710MSD	T1-033	ORG 75-69-4	Trichlorofluoromethane	6800		ug/L	500	19.65	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	136%	3%	
NAL13026-1710MSD	T1-033	ORG 75-35-4	1,1-Dichloroethene	6500		ug/L	100	47.11	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	130%	36%	
NAL13026-1710MSD	T1-033	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	94%	0%	
NAL13026-1710MSD	T1-033	ORG 67-64-1	Acetone	90000		ug/L	1000	155.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	80%	1%	86000
NAL13026-1710MSD	T1-033	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	90%	2%	
NAL13026-1710MSD	T1-033	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	100%	2%	
NAL13026-1710MSD	T1-033	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	92%	0%	
NAL13026-1710MSD	T1-033	ORG 156-59-2	cis-1,2-Dichloroethene	4800		ug/L	100	32.11	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	96%	0%	
NAL13026-1710MSD	T1-033	ORG 74-97-5	Bromochloromethane	4400		ug/L	1000	41.37	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	88%	5%	
NAL13026-1710MSD	T1-033	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	92%	2%	
NAL13026-1710MSD	T1-033	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	98%	2%	
NAL13026-1710MSD	T1-033	ORG 78-93-3	2-Butanone	21000		ug/L	100	81.18	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	140%	0%	14000
NAL13026-1710MSD	T1-033	ORG 56-23-5	Carbon tetrachloride	5200		ug/L	100	27.64	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	104%	2%	
NAL13026-1710MSD	T1-033	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	98%	2%	
NAL13026-1710MSD	T1-033	ORG 107-06-2	1,2-Dichloroethane	4700		ug/L	100	20.01	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	94%	2%	
NAL13026-1710MSD	T1-033	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	98%	4%	
NAL13026-1710MSD	T1-033	ORG 74-95-3	Dibromomethane	4800		ug/L	200	32.20	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	96%	2%	
NAL13026-1710MSD	T1-033	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	100%	2%	
NAL13026-1710MSD	T1-033	ORG 75-27-4	Bromodichloromethane	5000		ug/L	200	11.58	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	100%	4%	
NAL13026-1710MSD	T1-033	ORG 10061-01-5	cis-1,3-Dichloropropene	5200		ug/L	100	25.01	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	104%	0%	
NAL13026-1710MSD	T1-033	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	92%	0%	
NAL13026-1710MSD	T1-033	ORG 108-10-1	4-Methyl-2-pentanone	5200		ug/L	500	74.00	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	100%	6%	210
NAL13026-1710MSD	T1-033	ORG 10061-02-6	trans-1,3-Dichloropropene	5400		ug/L	100	31.15	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	108%	2%	
NAL13026-1710MSD	T1-033	ORG 127-18-4	Tetrachloroethene	4200		ug/L	100	48.56	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	84%	2%	
NAL13026-1710MSD	T1-033	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	90%	0%	
NAL13026-1710MSD	T1-033	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	102%	0%	
NAL13026-1710MSD	T1-033	ORG 106-93-4	1,2-Dibromoethane	4900		ug/L	200	26.49	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	98%	0%	
NAL13026-1710MSD	T1-033	ORG 591-78-6	2-Hexanone	4400		ug/L	200	68.90	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	85%	4%	150
NAL13026-1710MSD	T1-033	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	110%	6%	
NAL13026-1710MSD	T1-033	ORG 108-90-7	Chlorobenzene	5000		ug/L	100	27.52	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	100%	6%	
NAL13026-1710MSD	T1-033	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5300		ug/L	200	19.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	106%	4%	
NAL13026-1710MSD	T1-033	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	10000	110%	0%	0%
NAL13026-1710MSD	T1-033	ORG 95-47-6	o-Xylene	5800		ug/L	100	12.90	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	116%	4%	
NAL13026-1710MSD	T1-033	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	104%	2%	
NAL13026-1710MSD	T1-033	ORG 75-25-2	Bromoform	5300		ug/L	200	46.83	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	106%	0%	
NAL13026-1710MSD	T1-033	ORG 98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	110%	4%	
NAL13026-1710MSD	T1-033	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	114%	4%	
NAL13026-1710MSD	T1-033	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4900		ug/L	200	29.16	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	98%	2%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1710MSD	T1-033	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	96%	0%	
NAL13026-1710MSD	T1-033	ORG 108-67-8	1,3,5-Trimethylbenzene	5700		ug/L	200	20.03	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	114%	4%	
NAL13026-1710MSD	T1-033	ORG 98-06-6	tert-Butylbenzene	5500		ug/L	200	32.61	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	110%	2%	
NAL13026-1710MSD	T1-033	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	100%	2%	220
NAL13026-1710MSD	T1-033	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	106%	4%	
NAL13026-1710MSD	T1-033	ORG 541-73-1	1,3-Dichlorobenzene	5200		ug/L	200	22.21	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	96%	6%	380
NAL13026-1710MSD	T1-033	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	104%	2%	85
NAL13026-1710MSD	T1-033	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	98%	2%	
NAL13026-1710MSD	T1-033	ORG 95-50-1	1,2-Dichlorobenzene	5300		ug/L	200	26.38	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	106%	4%	
NAL13026-1710MSD	T1-033	ORG 104-51-8	n-Butylbenzene	5700		ug/L	500	27.81	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	114%	2%	
NAL13026-1710MSD	T1-033	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5600		ug/L	500	159.11	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	112%	4%	
NAL13026-1710MSD	T1-033	ORG 87-68-3	Hexachlorobutadiene	5800		ug/L	500	65.42	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	116%	4%	
NAL13026-1710MSD	T1-033	ORG 120-82-1	1,2,4-Trichlorobenzene	5200		ug/L	500	27.63	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	104%	0%	
NAL13026-1710MSD	T1-033	ORG 91-20-3	Naphthalene	5500		ug/L	500	56.04	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	104%	4%	300
NAL13026-1710MSD	T1-033	ORG 87-61-6	1,2,3-Trichlorobenzene	5600		ug/L	500	23.28	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	5000	112%	4%	
NAL13026-1710MSD	T1-033	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	50	98%	2%	
NAL13026-1710MSD	T1-033	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	50	102%	2%	
NAL13026-1710MSD	T1-033	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	50	96%	2%	
NAL13026-1710MSD	T1-033	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	10/11/2014	10/11/2014	10/11/2014	WG	100	NA	5.0	NA	SW8260B	NALD4938	50	110%	4%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1711	T1-034	ORG 75-71-8	Dichlorodifluoromethane		UX-	ug/L	500	29.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 67-64-1	Acetone	96000	DX+	ug/L	10000	1556.07	10/12/2014	10/12/2014	10/12/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4944				
NAL13026-1711	T1-034	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 78-93-3	2-Butanone	16000		ug/L	1000	81.18	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 108-10-1	4-Methyl-2-pentanone	180	J	ug/L	500	74.00	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 591-78-6	2-Hexanone	190	JX+	ug/L	500	68.90	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1711	T1-034	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 95-63-6	1,2,4-Trimethylbenzene	220		ug/L	200	20.03	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 99-87-6	p-Isopropyltoluene	410		ug/L	200	25.48	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 106-46-7	1,4-Dichlorobenzene	98		ug/L	200	33.03	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 104-51-8	n-Butylbenzene	28		ug/L	500	27.81	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 91-20-3	Naphthalene	340		ug/L	500	56.04	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943				
NAL13026-1711	T1-034	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943	50	98%		
NAL13026-1711	T1-034	STD 17060-07-0	1,2-Dichloroethane d4	54		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943	50	108%		
NAL13026-1711	T1-034	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943	50	102%		
NAL13026-1711	T1-034	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4943	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101214CCVA	D101214CCVA	ORG 75-71-8	Dichlorodifluoromethane	40		ug/L	5	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	80%		
D101214CCVA	D101214CCVA	ORG 74-87-3	Chloromethane	46		ug/L	5	0.43	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	92%		
D101214CCVA	D101214CCVA	ORG 75-01-4	Vinyl chloride	45		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	90%		
D101214CCVA	D101214CCVA	ORG 74-83-9	Bromomethane	49		ug/L	5	0.50	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	98%		
D101214CCVA	D101214CCVA	ORG 75-00-3	Chloroethane	40		ug/L	5	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	80%		
D101214CCVA	D101214CCVA	ORG 75-69-4	Trichlorofluoromethane	60		ug/L	5	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	120%		
D101214CCVA	D101214CCVA	ORG 75-35-4	1,1-Dichloroethene	46		ug/L	1	0.47	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	92%		
D101214CCVA	D101214CCVA	ORG 75-09-2	Methylene chloride	47		ug/L	5	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	94%		
D101214CCVA	D101214CCVA	ORG 67-64-1	Acetone	61		ug/L	10	1.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	122%		
D101214CCVA	D101214CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	92%		
D101214CCVA	D101214CCVA	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	102%		
D101214CCVA	D101214CCVA	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	92%		
D101214CCVA	D101214CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	96%		
D101214CCVA	D101214CCVA	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	90%		
D101214CCVA	D101214CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	90%		
D101214CCVA	D101214CCVA	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	96%		
D101214CCVA	D101214CCVA	ORG 78-93-3	2-Butanone	51		ug/L	1	0.81	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	102%		
D101214CCVA	D101214CCVA	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	102%		
D101214CCVA	D101214CCVA	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	96%		
D101214CCVA	D101214CCVA	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	92%		
D101214CCVA	D101214CCVA	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	94%		
D101214CCVA	D101214CCVA	ORG 74-95-3	Dibromomethane	45		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	90%		
D101214CCVA	D101214CCVA	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	96%		
D101214CCVA	D101214CCVA	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	96%		
D101214CCVA	D101214CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	51		ug/L	1	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	102%		
D101214CCVA	D101214CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	92%		
D101214CCVA	D101214CCVA	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	106%		
D101214CCVA	D101214CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	108%		
D101214CCVA	D101214CCVA	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	82%		
D101214CCVA	D101214CCVA	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	86%		
D101214CCVA	D101214CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	100%		
D101214CCVA	D101214CCVA	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	96%		
D101214CCVA	D101214CCVA	ORG 591-78-6	2-Hexanone	76		ug/L	2	0.69	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	152%		
D101214CCVA	D101214CCVA	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	108%		
D101214CCVA	D101214CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	96%		
D101214CCVA	D101214CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	104%		
D101214CCVA	D101214CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	100	110%		
D101214CCVA	D101214CCVA	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	112%		
D101214CCVA	D101214CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	100%		
D101214CCVA	D101214CCVA	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	108%		
D101214CCVA	D101214CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	106%		
D101214CCVA	D101214CCVA	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	110%		
D101214CCVA	D101214CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	96%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101214CCVA	D101214CCVA	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	92%		
D101214CCVA	D101214CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	110%		
D101214CCVA	D101214CCVA	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	108%		
D101214CCVA	D101214CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	102%		
D101214CCVA	D101214CCVA	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	104%		
D101214CCVA	D101214CCVA	ORG 541-73-1	1,3-Dichlorobenzene	49		ug/L	2	0.22	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	98%		
D101214CCVA	D101214CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	104%		
D101214CCVA	D101214CCVA	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	96%		
D101214CCVA	D101214CCVA	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	100%		
D101214CCVA	D101214CCVA	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	112%		
D101214CCVA	D101214CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	50		ug/L	5	1.59	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	100%		
D101214CCVA	D101214CCVA	ORG 87-68-3	Hexachlorobutadiene	56		ug/L	5	0.65	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	112%		
D101214CCVA	D101214CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	98%		
D101214CCVA	D101214CCVA	ORG 91-20-3	Naphthalene	43		ug/L	5	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	86%		
D101214CCVA	D101214CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	52		ug/L	5	0.23	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	104%		
D101214CCVA	D101214CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	98%		
D101214CCVA	D101214CCVA	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	94%		
D101214CCVA	D101214CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	98%		
D101214CCVA	D101214CCVA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4940	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101214MBKA	D101214MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101214MBKA	D101214MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942				
D101214MBKA	D101214MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942	50	98%		
D101214MBKA	D101214MBKA	STD 17060-07-0	1,2-Dichloroethane d4	53		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942	50	106%		
D101214MBKA	D101214MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942	50	104%		
D101214MBKA	D101214MBKA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4942	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101214ALCS	D101214ALCS	ORG 75-71-8	Dichlorodifluoromethane	41		ug/L	5	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	82%		
D101214ALCS	D101214ALCS	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	82%		
D101214ALCS	D101214ALCS	ORG 75-01-4	Vinyl chloride	41		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	82%		
D101214ALCS	D101214ALCS	ORG 74-83-9	Bromomethane	49		ug/L	5	0.50	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	98%		
D101214ALCS	D101214ALCS	ORG 75-00-3	Chloroethane	43		ug/L	5	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	86%		
D101214ALCS	D101214ALCS	ORG 75-69-4	Trichlorofluoromethane	86		ug/L	5	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	172%		
D101214ALCS	D101214ALCS	ORG 75-35-4	1,1-Dichloroethene	44		ug/L	1	0.47	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	88%		
D101214ALCS	D101214ALCS	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	96%		
D101214ALCS	D101214ALCS	ORG 67-64-1	Acetone	70		ug/L	10	1.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	140%		
D101214ALCS	D101214ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	90%		
D101214ALCS	D101214ALCS	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	102%		
D101214ALCS	D101214ALCS	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	94%		
D101214ALCS	D101214ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	96%		
D101214ALCS	D101214ALCS	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	96%		
D101214ALCS	D101214ALCS	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	94%		
D101214ALCS	D101214ALCS	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	100%		
D101214ALCS	D101214ALCS	ORG 78-93-3	2-Butanone	58		ug/L	1	0.81	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	116%		
D101214ALCS	D101214ALCS	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	98%		
D101214ALCS	D101214ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	98%		
D101214ALCS	D101214ALCS	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	96%		
D101214ALCS	D101214ALCS	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	96%		
D101214ALCS	D101214ALCS	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	98%		
D101214ALCS	D101214ALCS	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	96%		
D101214ALCS	D101214ALCS	ORG 75-27-4	Bromodichloromethane	49		ug/L	2	0.12	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	98%		
D101214ALCS	D101214ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	51		ug/L	1	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	102%		
D101214ALCS	D101214ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	92%		
D101214ALCS	D101214ALCS	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	112%		
D101214ALCS	D101214ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	112%		
D101214ALCS	D101214ALCS	ORG 127-18-4	Tetrachloroethene	42		ug/L	1	0.49	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	84%		
D101214ALCS	D101214ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	92%		
D101214ALCS	D101214ALCS	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	104%		
D101214ALCS	D101214ALCS	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	102%		
D101214ALCS	D101214ALCS	ORG 591-78-6	2-Hexanone	78		ug/L	2	0.69	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	156%		
D101214ALCS	D101214ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	108%		
D101214ALCS	D101214ALCS	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	98%		
D101214ALCS	D101214ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	53		ug/L	2	0.19	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	106%		
D101214ALCS	D101214ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	100	110%		
D101214ALCS	D101214ALCS	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	112%		
D101214ALCS	D101214ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	100%		
D101214ALCS	D101214ALCS	ORG 75-25-2	Bromoform	55		ug/L	2	0.47	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	110%		
D101214ALCS	D101214ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	106%		
D101214ALCS	D101214ALCS	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	110%		
D101214ALCS	D101214ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	52		ug/L	2	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101214ALCS	D101214ALCS	ORG 96-18-4	1,2,3-Trichloropropane	50		ug/L	2	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	100%		
D101214ALCS	D101214ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	112%		
D101214ALCS	D101214ALCS	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	108%		
D101214ALCS	D101214ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	102%		
D101214ALCS	D101214ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	104%		
D101214ALCS	D101214ALCS	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	102%		
D101214ALCS	D101214ALCS	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	102%		
D101214ALCS	D101214ALCS	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	96%		
D101214ALCS	D101214ALCS	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	102%		
D101214ALCS	D101214ALCS	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	110%		
D101214ALCS	D101214ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	56		ug/L	5	1.59	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	112%		
D101214ALCS	D101214ALCS	ORG 87-68-3	Hexachlorobutadiene	55		ug/L	5	0.65	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	110%		
D101214ALCS	D101214ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	100%		
D101214ALCS	D101214ALCS	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	96%		
D101214ALCS	D101214ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	55		ug/L	5	0.23	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	110%		
D101214ALCS	D101214ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	98%		
D101214ALCS	D101214ALCS	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	98%		
D101214ALCS	D101214ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	96%		
D101214ALCS	D101214ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4941	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101214ALCD	D101214ALCD	ORG 75-71-8	Dichlorodifluoromethane	42		ug/L	5	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	84%	2%	
D101214ALCD	D101214ALCD	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	88%	7%	
D101214ALCD	D101214ALCD	ORG 75-01-4	Vinyl chloride	42		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	84%	2%	
D101214ALCD	D101214ALCD	ORG 74-83-9	Bromomethane	46		ug/L	5	0.50	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	92%	6%	
D101214ALCD	D101214ALCD	ORG 75-00-3	Chloroethane	40		ug/L	5	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	80%	7%	
D101214ALCD	D101214ALCD	ORG 75-69-4	Trichlorofluoromethane	58		ug/L	5	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	116%	39%	
D101214ALCD	D101214ALCD	ORG 75-35-4	1,1-Dichloroethene	46		ug/L	1	0.47	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	92%	4%	
D101214ALCD	D101214ALCD	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	96%	0%	
D101214ALCD	D101214ALCD	ORG 67-64-1	Acetone	68		ug/L	10	1.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	136%	3%	
D101214ALCD	D101214ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	92%	2%	
D101214ALCD	D101214ALCD	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	104%	2%	
D101214ALCD	D101214ALCD	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	92%	2%	
D101214ALCD	D101214ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	98%	2%	
D101214ALCD	D101214ALCD	ORG 74-97-5	Bromochloromethane	47		ug/L	10	0.41	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	94%	2%	
D101214ALCD	D101214ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	92%	2%	
D101214ALCD	D101214ALCD	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	100%	0%	
D101214ALCD	D101214ALCD	ORG 78-93-3	2-Butanone	56		ug/L	1	0.81	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	112%	4%	
D101214ALCD	D101214ALCD	ORG 56-23-5	Carbon tetrachloride	53		ug/L	1	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	106%	8%	
D101214ALCD	D101214ALCD	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	98%	0%	
D101214ALCD	D101214ALCD	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	94%	2%	
D101214ALCD	D101214ALCD	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	98%	2%	
D101214ALCD	D101214ALCD	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	96%	2%	
D101214ALCD	D101214ALCD	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	98%	2%	
D101214ALCD	D101214ALCD	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	100%	2%	
D101214ALCD	D101214ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	106%	4%	
D101214ALCD	D101214ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	94%	2%	
D101214ALCD	D101214ALCD	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	112%	0%	
D101214ALCD	D101214ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	110%	2%	
D101214ALCD	D101214ALCD	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	90%	7%	
D101214ALCD	D101214ALCD	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	92%	0%	
D101214ALCD	D101214ALCD	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	104%	0%	
D101214ALCD	D101214ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	100%	2%	
D101214ALCD	D101214ALCD	ORG 591-78-6	2-Hexanone	80		ug/L	2	0.69	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	160%	3%	
D101214ALCD	D101214ALCD	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	108%	0%	
D101214ALCD	D101214ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	98%	0%	
D101214ALCD	D101214ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	104%	2%	
D101214ALCD	D101214ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	100	110%	0%	
D101214ALCD	D101214ALCD	ORG 95-47-6	o-Xylene	57		ug/L	1	0.13	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	114%	2%	
D101214ALCD	D101214ALCD	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	102%	2%	
D101214ALCD	D101214ALCD	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	108%	2%	
D101214ALCD	D101214ALCD	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	106%	0%	
D101214ALCD	D101214ALCD	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	110%	0%	
D101214ALCD	D101214ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	49		ug/L	2	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	98%	6%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101214ALCD	D101214ALCD	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	94%	6%	
D101214ALCD	D101214ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	110%	2%	
D101214ALCD	D101214ALCD	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	106%	2%	
D101214ALCD	D101214ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	102%	0%	
D101214ALCD	D101214ALCD	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	104%	0%	
D101214ALCD	D101214ALCD	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	102%	0%	
D101214ALCD	D101214ALCD	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	104%	2%	
D101214ALCD	D101214ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	96%	0%	
D101214ALCD	D101214ALCD	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	102%	0%	
D101214ALCD	D101214ALCD	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	112%	2%	
D101214ALCD	D101214ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	55		ug/L	5	1.59	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	110%	2%	
D101214ALCD	D101214ALCD	ORG 87-68-3	Hexachlorobutadiene	56		ug/L	5	0.65	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	112%	2%	
D101214ALCD	D101214ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	52		ug/L	5	0.28	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	104%	4%	
D101214ALCD	D101214ALCD	ORG 91-20-3	Naphthalene	49		ug/L	5	0.56	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	98%	2%	
D101214ALCD	D101214ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	56		ug/L	5	0.23	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	112%	2%	
D101214ALCD	D101214ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	98%	0%	
D101214ALCD	D101214ALCD	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	98%	0%	
D101214ALCD	D101214ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	96%	0%	
D101214ALCD	D101214ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/12/2014	10/12/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4948	50	102%	2%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1711MS	T1-034	ORG 75-71-8	Dichlorodifluoromethane	3800		ug/L	500	29.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	76%		
NAL13026-1711MS	T1-034	ORG 74-87-3	Chloromethane	4200		ug/L	500	43.07	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	84%		
NAL13026-1711MS	T1-034	ORG 75-01-4	Vinyl chloride	3800		ug/L	200	31.86	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	76%		
NAL13026-1711MS	T1-034	ORG 74-83-9	Bromomethane	4100		ug/L	500	50.04	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	82%		
NAL13026-1711MS	T1-034	ORG 75-00-3	Chloroethane	4200		ug/L	500	55.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	84%		
NAL13026-1711MS	T1-034	ORG 75-69-4	Trichlorofluoromethane	5500		ug/L	500	19.65	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	110%		
NAL13026-1711MS	T1-034	ORG 75-35-4	1,1-Dichloroethene	4700		ug/L	100	47.11	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	94%		
NAL13026-1711MS	T1-034	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	94%		
NAL13026-1711MS	T1-034	ORG 67-64-1	Acetone	100000		ug/L	1000	155.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	80%		96000
NAL13026-1711MS	T1-034	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	90%		
NAL13026-1711MS	T1-034	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	100%		
NAL13026-1711MS	T1-034	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	92%		
NAL13026-1711MS	T1-034	ORG 156-59-2	cis-1,2-Dichloroethene	4800		ug/L	100	32.11	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	96%		
NAL13026-1711MS	T1-034	ORG 74-97-5	Bromochloromethane	4400		ug/L	1000	41.37	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	88%		
NAL13026-1711MS	T1-034	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	92%		
NAL13026-1711MS	T1-034	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	100%		
NAL13026-1711MS	T1-034	ORG 78-93-3	2-Butanone	23000		ug/L	100	81.18	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	140%		16000
NAL13026-1711MS	T1-034	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	98%		
NAL13026-1711MS	T1-034	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	96%		
NAL13026-1711MS	T1-034	ORG 107-06-2	1,2-Dichloroethane	4800		ug/L	100	20.01	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	96%		
NAL13026-1711MS	T1-034	ORG 79-01-6	Trichloroethene	4700		ug/L	100	36.33	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	94%		
NAL13026-1711MS	T1-034	ORG 74-95-3	Dibromomethane	4900		ug/L	200	32.20	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	98%		
NAL13026-1711MS	T1-034	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	100%		
NAL13026-1711MS	T1-034	ORG 75-27-4	Bromodichloromethane	5000		ug/L	200	11.58	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	100%		
NAL13026-1711MS	T1-034	ORG 10061-01-5	cis-1,3-Dichloropropene	5300		ug/L	100	25.01	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	106%		
NAL13026-1711MS	T1-034	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	92%		
NAL13026-1711MS	T1-034	ORG 108-10-1	4-Methyl-2-pentanone	5800		ug/L	500	74.00	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	112%		180
NAL13026-1711MS	T1-034	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	112%		
NAL13026-1711MS	T1-034	ORG 127-18-4	Tetrachloroethene	4100		ug/L	100	48.56	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	82%		
NAL13026-1711MS	T1-034	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	92%		
NAL13026-1711MS	T1-034	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	102%		
NAL13026-1711MS	T1-034	ORG 106-93-4	1,2-Dibromoethane	4900		ug/L	200	26.49	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	98%		
NAL13026-1711MS	T1-034	ORG 591-78-6	2-Hexanone	6300		ug/L	200	68.90	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	122%		190
NAL13026-1711MS	T1-034	ORG 100-41-4	Ethylbenzene	5300		ug/L	100	25.38	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	106%		
NAL13026-1711MS	T1-034	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	94%		
NAL13026-1711MS	T1-034	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5200		ug/L	200	19.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	104%		
NAL13026-1711MS	T1-034	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	10000	110%		
NAL13026-1711MS	T1-034	ORG 95-47-6	o-Xylene	5600		ug/L	100	12.90	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	112%		
NAL13026-1711MS	T1-034	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	102%		
NAL13026-1711MS	T1-034	ORG 75-25-2	Bromoform	5200		ug/L	200	46.83	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	104%		
NAL13026-1711MS	T1-034	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	104%		
NAL13026-1711MS	T1-034	ORG 103-65-1	n-Propylbenzene	5500		ug/L	200	27.00	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	110%		
NAL13026-1711MS	T1-034	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4900		ug/L	200	29.16	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	98%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1711MS	T1-034	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	96%		
NAL13026-1711MS	T1-034	ORG 108-67-8	1,3,5-Trimethylbenzene	5500		ug/L	200	20.03	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	110%		
NAL13026-1711MS	T1-034	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	106%		
NAL13026-1711MS	T1-034	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	100%		220
NAL13026-1711MS	T1-034	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	102%		
NAL13026-1711MS	T1-034	ORG 541-73-1	1,3-Dichlorobenzene	5100		ug/L	200	22.21	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	102%		
NAL13026-1711MS	T1-034	ORG 99-87-6	p-Isopropyltoluene	5200		ug/L	200	25.48	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	96%		410
NAL13026-1711MS	T1-034	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	96%		98
NAL13026-1711MS	T1-034	ORG 95-50-1	1,2-Dichlorobenzene	5200		ug/L	200	26.38	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	104%		
NAL13026-1711MS	T1-034	ORG 104-51-8	n-Butylbenzene	5600		ug/L	500	27.81	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	111%		28
NAL13026-1711MS	T1-034	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5700		ug/L	500	159.11	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	114%		
NAL13026-1711MS	T1-034	ORG 87-68-3	Hexachlorobutadiene	5600		ug/L	500	65.42	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	112%		
NAL13026-1711MS	T1-034	ORG 120-82-1	1,2,4-Trichlorobenzene	5300		ug/L	500	27.63	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	106%		
NAL13026-1711MS	T1-034	ORG 91-20-3	Naphthalene	5600		ug/L	500	56.04	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	105%		340
NAL13026-1711MS	T1-034	ORG 87-61-6	1,2,3-Trichlorobenzene	5400		ug/L	500	23.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	5000	108%		
NAL13026-1711MS	T1-034	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	50	100%		
NAL13026-1711MS	T1-034	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	50	102%		
NAL13026-1711MS	T1-034	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	50	98%		
NAL13026-1711MS	T1-034	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4946	50	104%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1711MSD	T1-034	ORG 75-71-8	Dichlorodifluoromethane	3900		ug/L	500	29.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	78%	3%	
NAL13026-1711MSD	T1-034	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	88%	5%	
NAL13026-1711MSD	T1-034	ORG 75-01-4	Vinyl chloride	3900		ug/L	200	31.86	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	78%	3%	
NAL13026-1711MSD	T1-034	ORG 74-83-9	Bromomethane	3500		ug/L	500	50.04	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	70%	16%	
NAL13026-1711MSD	T1-034	ORG 75-00-3	Chloroethane	4700		ug/L	500	55.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	94%	11%	
NAL13026-1711MSD	T1-034	ORG 75-69-4	Trichlorofluoromethane	5400		ug/L	500	19.65	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	108%	2%	
NAL13026-1711MSD	T1-034	ORG 75-35-4	1,1-Dichloroethene	6400		ug/L	100	47.11	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	128%	31%	
NAL13026-1711MSD	T1-034	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	94%	0%	
NAL13026-1711MSD	T1-034	ORG 67-64-1	Acetone	98000		ug/L	1000	155.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	40%	2%	96000
NAL13026-1711MSD	T1-034	ORG 156-60-5	trans-1,2-Dichloroethene	4400		ug/L	100	55.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	88%	2%	
NAL13026-1711MSD	T1-034	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	100%	0%	
NAL13026-1711MSD	T1-034	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	90%	2%	
NAL13026-1711MSD	T1-034	ORG 156-59-2	cis-1,2-Dichloroethene	4900		ug/L	100	32.11	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	98%	2%	
NAL13026-1711MSD	T1-034	ORG 74-97-5	Bromochloromethane	4500		ug/L	1000	41.37	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	90%	2%	
NAL13026-1711MSD	T1-034	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	92%	0%	
NAL13026-1711MSD	T1-034	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	96%	4%	
NAL13026-1711MSD	T1-034	ORG 78-93-3	2-Butanone	22000		ug/L	100	81.18	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	120%	4%	16000
NAL13026-1711MSD	T1-034	ORG 56-23-5	Carbon tetrachloride	3900		ug/L	100	27.64	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	78%	23%	
NAL13026-1711MSD	T1-034	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	96%	0%	
NAL13026-1711MSD	T1-034	ORG 107-06-2	1,2-Dichloroethane	4700		ug/L	100	20.01	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	94%	2%	
NAL13026-1711MSD	T1-034	ORG 79-01-6	Trichloroethene	4700		ug/L	100	36.33	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	94%	0%	
NAL13026-1711MSD	T1-034	ORG 74-95-3	Dibromomethane	4800		ug/L	200	32.20	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	96%	2%	
NAL13026-1711MSD	T1-034	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	100%	0%	
NAL13026-1711MSD	T1-034	ORG 75-27-4	Bromodichloromethane	4900		ug/L	200	11.58	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	98%	2%	
NAL13026-1711MSD	T1-034	ORG 10061-01-5	cis-1,3-Dichloropropene	5300		ug/L	100	25.01	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	106%	0%	
NAL13026-1711MSD	T1-034	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	92%	0%	
NAL13026-1711MSD	T1-034	ORG 108-10-1	4-Methyl-2-pentanone	5400		ug/L	500	74.00	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	104%	7%	180
NAL13026-1711MSD	T1-034	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	110%	2%	
NAL13026-1711MSD	T1-034	ORG 127-18-4	Tetrachloroethene	4200		ug/L	100	48.56	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	84%	2%	
NAL13026-1711MSD	T1-034	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	90%	2%	
NAL13026-1711MSD	T1-034	ORG 124-48-1	Dibromochloromethane	5200		ug/L	500	29.90	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	104%	2%	
NAL13026-1711MSD	T1-034	ORG 106-93-4	1,2-Dibromoethane	5000		ug/L	200	26.49	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	100%	2%	
NAL13026-1711MSD	T1-034	ORG 591-78-6	2-Hexanone	5300		ug/L	200	68.90	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	102%	17%	190
NAL13026-1711MSD	T1-034	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	108%	2%	
NAL13026-1711MSD	T1-034	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	96%	2%	
NAL13026-1711MSD	T1-034	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5300		ug/L	200	19.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	102%	2%	
NAL13026-1711MSD	T1-034	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	10000	110%	0%	
NAL13026-1711MSD	T1-034	ORG 95-47-6	o-Xylene	5700		ug/L	100	12.90	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	114%	2%	
NAL13026-1711MSD	T1-034	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	102%	0%	
NAL13026-1711MSD	T1-034	ORG 75-25-2	Bromoform	5300		ug/L	200	46.83	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	106%	2%	
NAL13026-1711MSD	T1-034	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	108%	4%	
NAL13026-1711MSD	T1-034	ORG 103-65-1	n-Propylbenzene	5600		ug/L	200	27.00	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	112%	2%	
NAL13026-1711MSD	T1-034	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	96%	2%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1711MSD	T1-034	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	94%	2%	
NAL13026-1711MSD	T1-034	ORG 108-67-8	1,3,5-Trimethylbenzene	5600		ug/L	200	20.03	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	112%	2%	
NAL13026-1711MSD	T1-034	ORG 98-06-6	tert-Butylbenzene	5400		ug/L	200	32.61	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	108%	2%	
NAL13026-1711MSD	T1-034	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	98%	2%	220
NAL13026-1711MSD	T1-034	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	104%	2%	
NAL13026-1711MSD	T1-034	ORG 541-73-1	1,3-Dichlorobenzene	5100		ug/L	200	22.21	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	102%	0%	
NAL13026-1711MSD	T1-034	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	98%	2%	410
NAL13026-1711MSD	T1-034	ORG 106-46-7	1,4-Dichlorobenzene	4800		ug/L	200	33.03	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	94%	2%	98
NAL13026-1711MSD	T1-034	ORG 95-50-1	1,2-Dichlorobenzene	5200		ug/L	200	26.38	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	104%	0%	
NAL13026-1711MSD	T1-034	ORG 104-51-8	n-Butylbenzene	5600		ug/L	500	27.81	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	111%	0%	28
NAL13026-1711MSD	T1-034	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5800		ug/L	500	159.11	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	116%	2%	
NAL13026-1711MSD	T1-034	ORG 87-68-3	Hexachlorobutadiene	5700		ug/L	500	65.42	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	114%	2%	
NAL13026-1711MSD	T1-034	ORG 120-82-1	1,2,4-Trichlorobenzene	5300		ug/L	500	27.63	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	106%	0%	
NAL13026-1711MSD	T1-034	ORG 91-20-3	Naphthalene	5400		ug/L	500	56.04	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	101%	4%	340
NAL13026-1711MSD	T1-034	ORG 87-61-6	1,2,3-Trichlorobenzene	5500		ug/L	500	23.28	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	5000	110%	2%	
NAL13026-1711MSD	T1-034	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	50	98%	2%	
NAL13026-1711MSD	T1-034	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	50	98%	4%	
NAL13026-1711MSD	T1-034	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	50	96%	2%	
NAL13026-1711MSD	T1-034	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/12/2014	10/12/2014	10/12/2014	WG	100	NA	5.0	NA	SW8260B	NALD4947	50	106%	2%	



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.
D = Compound identified in an analysis at a secondary dilution factor.
E = Compound's concentration exceeds the calibration range of the instrument at this dilution.
X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
M = Matrix assessment, QC analyses parameter exceeded control limits.
U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spilte	% Rec	% RPD	Parent
NAL13026-1712	T1-035	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 75-35-4	1,1-Dichloroethane		UX-	ug/L	100	47.11	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 67-64-1	Acetone	120000	DX+	ug/L	10000	1556.07	10/13/2014	10/13/2014	10/13/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4954				
NAL13026-1712	T1-035	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 78-93-3	2-Butanone	16000	D	ug/L	10000	811.80	10/13/2014	10/13/2014	10/13/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4954				
NAL13026-1712	T1-035	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 108-10-1	4-Methyl-2-pentanone	280	J	ug/L	500	74.00	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 591-78-6	2-Hexanone	290	JX+	ug/L	500	68.90	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 75-25-2	Bromofrom		U	ug/L	200	46.83	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	DIL.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spilte	% Rec	% RPD	Parent
NAL13026-1712	T1-035	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 98-06-6	tert-Butylbenzene	280		ug/L	200	32.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 95-63-6	1,2,4-Trimethylbenzene	250		ug/L	200	20.03	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 99-87-6	p-Isopropyltoluene	500		ug/L	200	25.48	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 106-46-7	1,4-Dichlorobenzene	140	J	ug/L	200	33.03	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 91-20-3	Naphthalene	430	J	ug/L	500	56.04	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953				
NAL13026-1712	T1-035	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953	50	100%		
NAL13026-1712	T1-035	STD 17060-07-0	1,2-Dichloroethane d4	54		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953	50	108%		
NAL13026-1712	T1-035	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953	50	102%		
NAL13026-1712	T1-035	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4953	50	108%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Splice	% Rec	% RPD	Parent
D101314CCVA	D101314CCVA	ORG 75-71-8	Dichlorodifluoromethane	43		ug/L	5	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	86%		
D101314CCVA	D101314CCVA	ORG 74-87-3	Chloromethane	48		ug/L	5	0.43	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	96%		
D101314CCVA	D101314CCVA	ORG 75-01-4	Vinyl chloride	45		ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	90%		
D101314CCVA	D101314CCVA	ORG 74-83-9	Bromomethane	57		ug/L	5	0.50	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	114%		
D101314CCVA	D101314CCVA	ORG 75-00-3	Chloroethane	47		ug/L	5	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	94%		
D101314CCVA	D101314CCVA	ORG 75-69-4	Trichlorofluoromethane	52		ug/L	5	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	104%		
D101314CCVA	D101314CCVA	ORG 75-35-4	1,1-Dichloroethene	34		ug/L	1	0.47	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	68%		
D101314CCVA	D101314CCVA	ORG 75-09-2	Methylene chloride	51		ug/L	5	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	102%		
D101314CCVA	D101314CCVA	ORG 67-64-1	Acetone	70		ug/L	10	1.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	140%		
D101314CCVA	D101314CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	94%		
D101314CCVA	D101314CCVA	ORG 1634-04-4	MTBE	54		ug/L	5	0.61	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	108%		
D101314CCVA	D101314CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	90%		
D101314CCVA	D101314CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	96%		
D101314CCVA	D101314CCVA	ORG 74-97-5	Bromochloromethane	44		ug/L	10	0.41	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	88%		
D101314CCVA	D101314CCVA	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	92%		
D101314CCVA	D101314CCVA	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	96%		
D101314CCVA	D101314CCVA	ORG 78-93-3	2-Butanone	57		ug/L	1	0.81	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	114%		
D101314CCVA	D101314CCVA	ORG 56-23-5	Carbon tetrachloride	48		ug/L	1	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	96%		
D101314CCVA	D101314CCVA	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	96%		
D101314CCVA	D101314CCVA	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	92%		
D101314CCVA	D101314CCVA	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	96%		
D101314CCVA	D101314CCVA	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	92%		
D101314CCVA	D101314CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	98%		
D101314CCVA	D101314CCVA	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	96%		
D101314CCVA	D101314CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	104%		
D101314CCVA	D101314CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	92%		
D101314CCVA	D101314CCVA	ORG 108-10-1	4-Methyl-2-pentanone	57		ug/L	5	0.74	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	114%		
D101314CCVA	D101314CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	110%		
D101314CCVA	D101314CCVA	ORG 127-18-4	Tetrachloroethene	44		ug/L	1	0.49	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	88%		
D101314CCVA	D101314CCVA	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	86%		
D101314CCVA	D101314CCVA	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	104%		
D101314CCVA	D101314CCVA	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	100%		
D101314CCVA	D101314CCVA	ORG 591-78-6	2-Hexanone	81		ug/L	2	0.69	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	162%		
D101314CCVA	D101314CCVA	ORG 100-41-4	Ethylbenzene	51		ug/L	1	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	102%		
D101314CCVA	D101314CCVA	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	92%		
D101314CCVA	D101314CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	100%		
D101314CCVA	D101314CCVA	ORG XYLMP	p&m-Xylene	104		ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	100	104%		
D101314CCVA	D101314CCVA	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	106%		
D101314CCVA	D101314CCVA	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	98%		
D101314CCVA	D101314CCVA	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	106%		
D101314CCVA	D101314CCVA	ORG 98-82-8	Isopropylbenzene	50		ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	100%		
D101314CCVA	D101314CCVA	ORG 103-65-1	n-Propylbenzene	53		ug/L	2	0.27	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	106%		
D101314CCVA	D101314CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	94%		
D101314CCVA	D101314CCVA	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	94%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	DIL.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spilte	% Rec	% RPD	Parent
D101314CCVA	D101314CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	106%		
D101314CCVA	D101314CCVA	ORG 98-06-6	tert-Butylbenzene	51		ug/L	2	0.33	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	102%		
D101314CCVA	D101314CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	49		ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	98%		
D101314CCVA	D101314CCVA	ORG 135-98-8	sec-Butylbenzene	50		ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	100%		
D101314CCVA	D101314CCVA	ORG 541-73-1	1,3-Dichlorobenzene	49		ug/L	2	0.22	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	98%		
D101314CCVA	D101314CCVA	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	100%		
D101314CCVA	D101314CCVA	ORG 106-46-7	1,4-Dichlorobenzene	46		ug/L	2	0.33	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	92%		
D101314CCVA	D101314CCVA	ORG 95-50-1	1,2-Dichlorobenzene	49		ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	98%		
D101314CCVA	D101314CCVA	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	108%		
D101314CCVA	D101314CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	106%		
D101314CCVA	D101314CCVA	ORG 87-68-3	Hexachlorobutadiene	53		ug/L	5	0.65	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	106%		
D101314CCVA	D101314CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	48		ug/L	5	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	96%		
D101314CCVA	D101314CCVA	ORG 91-20-3	Naphthalene	44		ug/L	5	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	88%		
D101314CCVA	D101314CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	102%		
D101314CCVA	D101314CCVA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	96%		
D101314CCVA	D101314CCVA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	98%		
D101314CCVA	D101314CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	98%		
D101314CCVA	D101314CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4950	50	102%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spilte	% Rec	% RPD	Parent	
D101314MBKA	D101314MBKA	ORG 75-71-8	Dichlorodifluoromethane	U	ug/L	5	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 74-87-3	Chloromethane	U	ug/L	5	0.43	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 75-01-4	Vinyl chloride	U	ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 74-83-9	Bromomethane	U	ug/L	5	0.50	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 75-00-3	Chloroethane	U	ug/L	5	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 75-69-4	Trichlorofluoromethane	U	ug/L	5	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 75-35-4	1,1-Dichloroethene	U	ug/L	1	0.47	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 75-09-2	Methylene chloride	U	ug/L	5	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 67-64-1	Acetone	U	ug/L	10	1.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U	ug/L	1	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 1634-04-4	MTBE	U	ug/L	5	0.61	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 75-34-3	1,1-Dichloroethane	U	ug/L	1	0.53	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U	ug/L	1	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 74-97-5	Bromochloromethane	U	ug/L	10	0.41	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 67-66-3	Chloroform	U	ug/L	2	0.16	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U	ug/L	1	0.17	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 78-93-3	2-Butanone	U	ug/L	1	0.81	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 56-23-5	Carbon tetrachloride	U	ug/L	1	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 71-43-2	Benzene	U	ug/L	1	0.14	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 107-06-2	1,2-Dichloroethane	U	ug/L	1	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 79-01-6	Trichloroethene	U	ug/L	1	0.36	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 74-95-3	Dibromomethane	U	ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 78-87-5	1,2-Dichloropropane	U	ug/L	1	0.18	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 75-27-4	Bromodichloromethane	U	ug/L	2	0.12	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U	ug/L	1	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 108-88-3	Toluene	U	ug/L	1	0.21	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U	ug/L	5	0.74	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U	ug/L	1	0.31	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 127-18-4	Tetrachloroethene	U	ug/L	1	0.49	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U	ug/L	1	0.34	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 124-48-1	Dibromochloromethane	U	ug/L	5	0.30	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 106-93-4	1,2-Dibromoethane	U	ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 591-78-6	2-Hexanone	U	ug/L	2	0.69	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 100-41-4	Ethylbenzene	U	ug/L	1	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 108-90-7	Chlorobenzene	U	ug/L	1	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U	ug/L	2	0.19	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG XYLMP	p&m-Xylene	U	ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 95-47-6	o-Xylene	U	ug/L	1	0.13	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 100-42-5	Styrene	U	ug/L	1	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 75-25-2	Bromoform	U	ug/L	2	0.47	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 98-82-8	Isopropylbenzene	U	ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 103-65-1	n-Propylbenzene	U	ug/L	2	0.27	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U	ug/L	2	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						
D101314MBKA	D101314MBKA	ORG 96-18-4	1,2,3-Trichloropropane	U	ug/L	2	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952						



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	DIL.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spilte	% Rec	% RPD	Parent
D101314MBKA	D101314MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952				
D101314MBKA	D101314MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952	50	98%		
D101314MBKA	D101314MBKA	STD 17060-07-0	1,2-Dichloroethane d4	53		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952	50	106%		
D101314MBKA	D101314MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952	50	102%		
D101314MBKA	D101314MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4952	50	110%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Splice	% Rec	% RPD	Parent
D101314ALCS	D101314ALCS	ORG 75-71-8	Dichlorodifluoromethane	38		ug/L	5	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	76%		
D101314ALCS	D101314ALCS	ORG 74-87-3	Chloromethane	43		ug/L	5	0.43	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	86%		
D101314ALCS	D101314ALCS	ORG 75-01-4	Vinyl chloride	38		ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	76%		
D101314ALCS	D101314ALCS	ORG 74-83-9	Bromomethane	42		ug/L	5	0.50	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	84%		
D101314ALCS	D101314ALCS	ORG 75-00-3	Chloroethane	43		ug/L	5	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	86%		
D101314ALCS	D101314ALCS	ORG 75-69-4	Trichlorofluoromethane	49		ug/L	5	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	98%		
D101314ALCS	D101314ALCS	ORG 75-35-4	1,1-Dichloroethene	41		ug/L	1	0.47	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	82%		
D101314ALCS	D101314ALCS	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	92%		
D101314ALCS	D101314ALCS	ORG 67-64-1	Acetone	70		ug/L	10	1.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	140%		
D101314ALCS	D101314ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	90%		
D101314ALCS	D101314ALCS	ORG 1634-04-4	MTBE	50		ug/L	5	0.61	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	92%		
D101314ALCS	D101314ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	47		ug/L	1	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	94%		
D101314ALCS	D101314ALCS	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	90%		
D101314ALCS	D101314ALCS	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	90%		
D101314ALCS	D101314ALCS	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	96%		
D101314ALCS	D101314ALCS	ORG 78-93-3	2-Butanone	44		ug/L	1	0.81	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	88%		
D101314ALCS	D101314ALCS	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	102%		
D101314ALCS	D101314ALCS	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	94%		
D101314ALCS	D101314ALCS	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	94%		
D101314ALCS	D101314ALCS	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	94%		
D101314ALCS	D101314ALCS	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	92%		
D101314ALCS	D101314ALCS	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	96%		
D101314ALCS	D101314ALCS	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	96%		
D101314ALCS	D101314ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	104%		
D101314ALCS	D101314ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	90%		
D101314ALCS	D101314ALCS	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	106%		
D101314ALCS	D101314ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	108%		
D101314ALCS	D101314ALCS	ORG 127-18-4	Tetrachloroethene	43		ug/L	1	0.49	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	86%		
D101314ALCS	D101314ALCS	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	88%		
D101314ALCS	D101314ALCS	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	96%		
D101314ALCS	D101314ALCS	ORG 591-78-6	2-Hexanone	70		ug/L	2	0.69	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	140%		
D101314ALCS	D101314ALCS	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	106%		
D101314ALCS	D101314ALCS	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	94%		
D101314ALCS	D101314ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	ORG XYLMP	p&m-Xylene	107		ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	100	107%		
D101314ALCS	D101314ALCS	ORG 95-47-6	o-Xylene	55		ug/L	1	0.13	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	110%		
D101314ALCS	D101314ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	106%		
D101314ALCS	D101314ALCS	ORG 98-82-8	Isopropylbenzene	51		ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	102%		
D101314ALCS	D101314ALCS	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	108%		
D101314ALCS	D101314ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	94%		
D101314ALCS	D101314ALCS	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	92%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	DIL.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spilte	% Rec	% RPD	Parent
D101314ALCS	D101314ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	54		ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	108%		
D101314ALCS	D101314ALCS	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	104%		
D101314ALCS	D101314ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	ORG 135-98-8	sec-Butylbenzene	50		ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	94%		
D101314ALCS	D101314ALCS	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	106%		
D101314ALCS	D101314ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	54		ug/L	5	1.59	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	108%		
D101314ALCS	D101314ALCS	ORG 87-68-3	Hexachlorobutadiene	54		ug/L	5	0.65	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	108%		
D101314ALCS	D101314ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	94%		
D101314ALCS	D101314ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	53		ug/L	5	0.23	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	106%		
D101314ALCS	D101314ALCS	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	100%		
D101314ALCS	D101314ALCS	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	98%		
D101314ALCS	D101314ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	96%		
D101314ALCS	D101314ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4951	50	104%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Splice	% Rec	% RPD	Parent
D101314ALCD	D101314ALCD	ORG 75-71-8	Dichlorodifluoromethane	40		ug/L	5	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	80%	5%	
D101314ALCD	D101314ALCD	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	88%	2%	
D101314ALCD	D101314ALCD	ORG 75-01-4	Vinyl chloride	39		ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	78%	3%	
D101314ALCD	D101314ALCD	ORG 74-83-9	Bromomethane	52		ug/L	5	0.50	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	104%	21%	
D101314ALCD	D101314ALCD	ORG 75-00-3	Chloroethane	48		ug/L	5	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	96%	11%	
D101314ALCD	D101314ALCD	ORG 75-69-4	Trichlorofluoromethane	60		ug/L	5	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	120%	20%	
D101314ALCD	D101314ALCD	ORG 75-35-4	1,1-Dichloroethene	46		ug/L	1	0.47	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	92%	11%	
D101314ALCD	D101314ALCD	ORG 75-09-2	Methylene chloride	49		ug/L	5	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	98%	6%	
D101314ALCD	D101314ALCD	ORG 67-64-1	Acetone	64		ug/L	10	1.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	128%	9%	
D101314ALCD	D101314ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	90%	0%	
D101314ALCD	D101314ALCD	ORG 1634-04-4	MTBE	50		ug/L	5	0.61	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	0%	
D101314ALCD	D101314ALCD	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	92%	0%	
D101314ALCD	D101314ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	47		ug/L	1	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	94%	0%	
D101314ALCD	D101314ALCD	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	90%	0%	
D101314ALCD	D101314ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	92%	2%	
D101314ALCD	D101314ALCD	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	4%	
D101314ALCD	D101314ALCD	ORG 78-93-3	2-Butanone	58		ug/L	1	0.81	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	116%	27%	
D101314ALCD	D101314ALCD	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	2%	
D101314ALCD	D101314ALCD	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	96%	2%	
D101314ALCD	D101314ALCD	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	96%	2%	
D101314ALCD	D101314ALCD	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	94%	0%	
D101314ALCD	D101314ALCD	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	94%	2%	
D101314ALCD	D101314ALCD	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	98%	2%	
D101314ALCD	D101314ALCD	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	4%	
D101314ALCD	D101314ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	51		ug/L	1	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	102%	2%	
D101314ALCD	D101314ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	92%	2%	
D101314ALCD	D101314ALCD	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	106%	0%	
D101314ALCD	D101314ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	110%	2%	
D101314ALCD	D101314ALCD	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	82%	5%	
D101314ALCD	D101314ALCD	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	88%	0%	
D101314ALCD	D101314ALCD	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	104%	4%	
D101314ALCD	D101314ALCD	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	96%	0%	
D101314ALCD	D101314ALCD	ORG 591-78-6	2-Hexanone	69		ug/L	2	0.69	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	138%	1%	
D101314ALCD	D101314ALCD	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	106%	0%	
D101314ALCD	D101314ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	94%	0%	
D101314ALCD	D101314ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	0%	
D101314ALCD	D101314ALCD	ORG XYLMP	p&m-Xylene	109		ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	100	109%	2%	
D101314ALCD	D101314ALCD	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	112%	2%	
D101314ALCD	D101314ALCD	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	0%	
D101314ALCD	D101314ALCD	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	102%	4%	
D101314ALCD	D101314ALCD	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	104%	2%	
D101314ALCD	D101314ALCD	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	110%	2%	
D101314ALCD	D101314ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	94%	0%	
D101314ALCD	D101314ALCD	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	94%	2%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	DIL.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spilte	% Rec	% RPD	Parent
D101314ALCD	D101314ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	112%	4%	
D101314ALCD	D101314ALCD	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	106%	2%	
D101314ALCD	D101314ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	102%	2%	
D101314ALCD	D101314ALCD	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	104%	4%	
D101314ALCD	D101314ALCD	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	0%	
D101314ALCD	D101314ALCD	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	104%	4%	
D101314ALCD	D101314ALCD	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	94%	0%	
D101314ALCD	D101314ALCD	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	0%	
D101314ALCD	D101314ALCD	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	112%	6%	
D101314ALCD	D101314ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	52		ug/L	5	1.59	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	104%	4%	
D101314ALCD	D101314ALCD	ORG 87-68-3	Hexachlorobutadiene	58		ug/L	5	0.65	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	116%	7%	
D101314ALCD	D101314ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	0%	
D101314ALCD	D101314ALCD	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	92%	2%	
D101314ALCD	D101314ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	55		ug/L	5	0.23	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	110%	4%	
D101314ALCD	D101314ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	0%	
D101314ALCD	D101314ALCD	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	100%	2%	
D101314ALCD	D101314ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	96%	0%	
D101314ALCD	D101314ALCD	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/13/2014	10/13/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4955	50	104%	0%	

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.
D = Compound identified in an analysis at a secondary dilution factor.
E = Compound's concentration exceeds the calibration range of the instrument at this dilution.
X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
M = Matrix assessment, QC analyses parameter exceeded control limits.
U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Splice	% Rec	% RPD	Parent
NAL13026-1712MS	T1-035	ORG 75-71-8	Dichlorodifluoromethane	4000		ug/L	500	29.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	80%		
NAL13026-1712MS	T1-035	ORG 74-87-3	Chloromethane	4100		ug/L	500	43.07	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	82%		
NAL13026-1712MS	T1-035	ORG 75-01-4	Vinyl chloride	3800		ug/L	200	31.86	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	76%		
NAL13026-1712MS	T1-035	ORG 74-83-9	Bromomethane	4100		ug/L	500	50.04	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	82%		
NAL13026-1712MS	T1-035	ORG 75-00-3	Chloroethane	4300		ug/L	500	55.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	86%		
NAL13026-1712MS	T1-035	ORG 75-69-4	Trichlorofluoromethane	5500		ug/L	500	19.65	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	110%		
NAL13026-1712MS	T1-035	ORG 75-35-4	1,1-Dichloroethene	4600		ug/L	100	47.11	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	92%		
NAL13026-1712MS	T1-035	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	90%		
NAL13026-1712MS	T1-035	ORG 67-64-1	Acetone	108000		ug/L	1000	155.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	-240%		120000
NAL13026-1712MS	T1-035	ORG 156-60-5	trans-1,2-Dichloroethene	4400		ug/L	100	55.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	88%		
NAL13026-1712MS	T1-035	ORG 1634-04-4	MTBE	4800		ug/L	500	61.18	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	96%		
NAL13026-1712MS	T1-035	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	90%		
NAL13026-1712MS	T1-035	ORG 156-59-2	cis-1,2-Dichloroethene	4700		ug/L	100	32.11	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	94%		
NAL13026-1712MS	T1-035	ORG 74-97-5	Bromochloromethane	4400		ug/L	1000	41.37	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	88%		
NAL13026-1712MS	T1-035	ORG 67-66-3	Chloroform	4400		ug/L	200	15.73	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	88%		
NAL13026-1712MS	T1-035	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	96%		
NAL13026-1712MS	T1-035	ORG 78-93-3	2-Butanone	24000		ug/L	100	81.18	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	160%		16000
NAL13026-1712MS	T1-035	ORG 56-23-5	Carbon tetrachloride	4800		ug/L	100	27.64	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	96%		
NAL13026-1712MS	T1-035	ORG 71-43-2	Benzene	4700		ug/L	100	13.53	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	94%		
NAL13026-1712MS	T1-035	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	92%		
NAL13026-1712MS	T1-035	ORG 79-01-6	Trichloroethene	4600		ug/L	100	36.33	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	92%		
NAL13026-1712MS	T1-035	ORG 74-95-3	Dibromomethane	4700		ug/L	200	32.20	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	94%		
NAL13026-1712MS	T1-035	ORG 78-87-5	1,2-Dichloropropane	4800		ug/L	100	18.17	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	96%		
NAL13026-1712MS	T1-035	ORG 75-27-4	Bromodichloromethane	4800		ug/L	200	11.58	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	96%		
NAL13026-1712MS	T1-035	ORG 10061-01-5	cis-1,3-Dichloropropene	5100		ug/L	100	25.01	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	102%		
NAL13026-1712MS	T1-035	ORG 108-88-3	Toluene	4500		ug/L	100	20.96	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	90%		
NAL13026-1712MS	T1-035	ORG 108-10-1	4-Methyl-2-pentanone	5500		ug/L	500	74.00	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	104%		280
NAL13026-1712MS	T1-035	ORG 10061-02-6	trans-1,3-Dichloropropene	5400		ug/L	100	31.15	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	108%		
NAL13026-1712MS	T1-035	ORG 127-18-4	Tetrachloroethene	4300		ug/L	100	48.56	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	86%		
NAL13026-1712MS	T1-035	ORG 79-00-5	1,1,2-Trichloroethane	4400		ug/L	100	34.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	88%		
NAL13026-1712MS	T1-035	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	100%		
NAL13026-1712MS	T1-035	ORG 106-93-4	1,2-Dibromoethane	4800		ug/L	200	26.49	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	96%		
NAL13026-1712MS	T1-035	ORG 591-78-6	2-Hexanone	5900		ug/L	200	68.90	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	112%		290
NAL13026-1712MS	T1-035	ORG 100-41-4	Ethylbenzene	5200		ug/L	100	25.38	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	104%		
NAL13026-1712MS	T1-035	ORG 108-90-7	Chlorobenzene	4600		ug/L	100	27.52	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	92%		
NAL13026-1712MS	T1-035	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	102%		
NAL13026-1712MS	T1-035	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	10000	110%		
NAL13026-1712MS	T1-035	ORG 95-47-6	o-Xylene	5500		ug/L	100	12.90	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	110%		
NAL13026-1712MS	T1-035	ORG 100-42-5	Styrene	4900		ug/L	100	20.23	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	98%		
NAL13026-1712MS	T1-035	ORG 75-25-2	Bromoform	5100		ug/L	200	46.83	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	102%		
NAL13026-1712MS	T1-035	ORG 98-82-8	Isopropylbenzene	5100		ug/L	200	20.48	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	102%		
NAL13026-1712MS	T1-035	ORG 103-65-1	n-Propylbenzene	5300		ug/L	200	27.00	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	106%		
NAL13026-1712MS	T1-035	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29.16	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	92%		
NAL13026-1712MS	T1-035	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	92%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	DIL.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spilte	% Rec	% RPD	Parent
NAL13026-1712MS	T1-035	ORG 108-67-8	1,3,5-Trimethylbenzene	5300		ug/L	200	20.03	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	106%		
NAL13026-1712MS	T1-035	ORG 98-06-6	tert-Butylbenzene	5100		ug/L	200	32.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	96%		280
NAL13026-1712MS	T1-035	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	95%		250
NAL13026-1712MS	T1-035	ORG 135-98-8	sec-Butylbenzene	5000		ug/L	200	32.34	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	100%		
NAL13026-1712MS	T1-035	ORG 541-73-1	1,3-Dichlorobenzene	4900		ug/L	200	22.21	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	98%		
NAL13026-1712MS	T1-035	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	96%		500
NAL13026-1712MS	T1-035	ORG 106-46-7	1,4-Dichlorobenzene	4800		ug/L	200	33.03	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	93%		140
NAL13026-1712MS	T1-035	ORG 95-50-1	1,2-Dichlorobenzene	5000		ug/L	200	26.38	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	100%		
NAL13026-1712MS	T1-035	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	108%		
NAL13026-1712MS	T1-035	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5600		ug/L	500	159.11	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	112%		
NAL13026-1712MS	T1-035	ORG 87-68-3	Hexachlorobutadiene	5500		ug/L	500	65.42	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	110%		
NAL13026-1712MS	T1-035	ORG 120-82-1	1,2,4-Trichlorobenzene	5100		ug/L	500	27.63	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	102%		
NAL13026-1712MS	T1-035	ORG 91-20-3	Naphthalene	5500		ug/L	500	56.04	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	101%		430
NAL13026-1712MS	T1-035	ORG 87-61-6	1,2,3-Trichlorobenzene	5400		ug/L	500	23.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	5000	108%		
NAL13026-1712MS	T1-035	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	50	96%		
NAL13026-1712MS	T1-035	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	50	98%		
NAL13026-1712MS	T1-035	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	50	96%		
NAL13026-1712MS	T1-035	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4956	50	106%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.
D = Compound identified in an analysis at a secondary dilution factor.
E = Compound's concentration exceeds the calibration range of the instrument at this dilution.
X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
M = Matrix assessment, QC analyses parameter exceeded control limits.
U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Splice	% Rec	% RPD	Parent
NAL13026-1712MSD	T1-035	ORG 75-71-8	Dichlorodifluoromethane	3800		ug/L	500	29.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	76%	5%	
NAL13026-1712MSD	T1-035	ORG 74-87-3	Chloromethane	4300		ug/L	500	43.07	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	86%	5%	
NAL13026-1712MSD	T1-035	ORG 75-01-4	Vinyl chloride	3700		ug/L	200	31.86	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	74%	3%	
NAL13026-1712MSD	T1-035	ORG 74-83-9	Bromomethane	3800		ug/L	500	50.04	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	76%	8%	
NAL13026-1712MSD	T1-035	ORG 75-00-3	Chloroethane	4300		ug/L	500	55.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	86%	0%	
NAL13026-1712MSD	T1-035	ORG 75-69-4	Trichlorofluoromethane	5900		ug/L	500	19.65	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	118%	7%	
NAL13026-1712MSD	T1-035	ORG 75-35-4	1,1-Dichloroethene	6200		ug/L	100	47.11	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	124%	30%	
NAL13026-1712MSD	T1-035	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	90%	0%	
NAL13026-1712MSD	T1-035	ORG 67-64-1	Acetone	109000		ug/L	1000	155.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	-220%	1%	120000
NAL13026-1712MSD	T1-035	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	90%	2%	
NAL13026-1712MSD	T1-035	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	98%	2%	
NAL13026-1712MSD	T1-035	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	90%	0%	
NAL13026-1712MSD	T1-035	ORG 156-59-2	cis-1,2-Dichloroethene	4900		ug/L	100	32.11	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	98%	4%	
NAL13026-1712MSD	T1-035	ORG 74-97-5	Bromochloromethane	4500		ug/L	1000	41.37	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	90%	2%	
NAL13026-1712MSD	T1-035	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	90%	2%	
NAL13026-1712MSD	T1-035	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	96%	0%	
NAL13026-1712MSD	T1-035	ORG 78-93-3	2-Butanone	25000		ug/L	100	81.18	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	180%	4%	16000
NAL13026-1712MSD	T1-035	ORG 56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	102%	6%	
NAL13026-1712MSD	T1-035	ORG 71-43-2	Benzene	4700		ug/L	100	13.53	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	94%	0%	
NAL13026-1712MSD	T1-035	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	92%	0%	
NAL13026-1712MSD	T1-035	ORG 79-01-6	Trichloroethene	4700		ug/L	100	36.33	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	94%	2%	
NAL13026-1712MSD	T1-035	ORG 74-95-3	Dibromomethane	4800		ug/L	200	32.20	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	96%	2%	
NAL13026-1712MSD	T1-035	ORG 78-87-5	1,2-Dichloropropane	4900		ug/L	100	18.17	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	98%	2%	
NAL13026-1712MSD	T1-035	ORG 75-27-4	Bromodichloromethane	4900		ug/L	200	11.58	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	98%	2%	
NAL13026-1712MSD	T1-035	ORG 10061-01-5	cis-1,3-Dichloropropene	5100		ug/L	100	25.01	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	102%	0%	
NAL13026-1712MSD	T1-035	ORG 108-88-3	Toluene	4500		ug/L	100	20.96	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	90%	0%	
NAL13026-1712MSD	T1-035	ORG 108-10-1	4-Methyl-2-pentanone	5400		ug/L	500	74.00	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	102%	2%	280
NAL13026-1712MSD	T1-035	ORG 10061-02-6	trans-1,3-Dichloropropene	5400		ug/L	100	31.15	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	108%	0%	
NAL13026-1712MSD	T1-035	ORG 127-18-4	Tetrachloroethene	4400		ug/L	100	48.56	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	88%	2%	
NAL13026-1712MSD	T1-035	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	90%	2%	
NAL13026-1712MSD	T1-035	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	102%	2%	
NAL13026-1712MSD	T1-035	ORG 106-93-4	1,2-Dibromoethane	4800		ug/L	200	26.49	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	96%	0%	
NAL13026-1712MSD	T1-035	ORG 591-78-6	2-Hexanone	5500		ug/L	200	68.90	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	104%	7%	290
NAL13026-1712MSD	T1-035	ORG 100-41-4	Ethylbenzene	5200		ug/L	100	25.38	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	104%	0%	
NAL13026-1712MSD	T1-035	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	94%	2%	
NAL13026-1712MSD	T1-035	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	98%	4%	
NAL13026-1712MSD	T1-035	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	10000	110%	0%	
NAL13026-1712MSD	T1-035	ORG 95-47-6	o-Xylene	5600		ug/L	100	12.90	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	112%	2%	
NAL13026-1712MSD	T1-035	ORG 100-42-5	Styrene	4900		ug/L	100	20.23	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	98%	0%	
NAL13026-1712MSD	T1-035	ORG 75-25-2	Bromoform	5300		ug/L	200	46.83	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	106%	4%	
NAL13026-1712MSD	T1-035	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	104%	2%	
NAL13026-1712MSD	T1-035	ORG 103-65-1	n-Propylbenzene	5300		ug/L	200	27.00	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	106%	0%	
NAL13026-1712MSD	T1-035	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29.16	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	92%	0%	
NAL13026-1712MSD	T1-035	ORG 96-18-4	1,2,3-Trichloropropane	4500		ug/L	200	29.47	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	90%	2%	

Confidential
D101314AVPP

D101314AVPP



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	DIL.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spilte	% Rec	% RPD	Parent
NAL13026-1712MSD	T1-035	ORG 108-67-8	1,3,5-Trimethylbenzene	5300		ug/L	200	20.03	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	106%	0%	
NAL13026-1712MSD	T1-035	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	98%	2%	280
NAL13026-1712MSD	T1-035	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	95%	0%	250
NAL13026-1712MSD	T1-035	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	102%	2%	
NAL13026-1712MSD	T1-035	ORG 541-73-1	1,3-Dichlorobenzene	4900		ug/L	200	22.21	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	98%	0%	
NAL13026-1712MSD	T1-035	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	96%	0%	500
NAL13026-1712MSD	T1-035	ORG 106-46-7	1,4-Dichlorobenzene	4800		ug/L	200	33.03	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	93%	0%	140
NAL13026-1712MSD	T1-035	ORG 95-50-1	1,2-Dichlorobenzene	5000		ug/L	200	26.38	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	100%	0%	
NAL13026-1712MSD	T1-035	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	108%	0%	
NAL13026-1712MSD	T1-035	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5700		ug/L	500	159.11	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	114%	2%	
NAL13026-1712MSD	T1-035	ORG 87-68-3	Hexachlorobutadiene	5400		ug/L	500	65.42	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	108%	2%	
NAL13026-1712MSD	T1-035	ORG 120-82-1	1,2,4-Trichlorobenzene	5200		ug/L	500	27.63	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	104%	2%	
NAL13026-1712MSD	T1-035	ORG 91-20-3	Naphthalene	5500		ug/L	500	56.04	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	101%	0%	430
NAL13026-1712MSD	T1-035	ORG 87-61-6	1,2,3-Trichlorobenzene	5500		ug/L	500	23.28	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	5000	110%	2%	
NAL13026-1712MSD	T1-035	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	50	100%	4%	
NAL13026-1712MSD	T1-035	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	50	98%	0%	
NAL13026-1712MSD	T1-035	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	50	98%	2%	
NAL13026-1712MSD	T1-035	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/13/2014	10/13/2014	10/13/2014	WG	100	NA	5.0	NA	SW8260B	NALD4957	50	106%	0%	



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1713	T1-036	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 67-64-1	Acetone	100000	DX+	ug/L	10000	1556.07	10/14/2014	10/14/2014	10/14/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4963				
NAL13026-1713	T1-036	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 78-93-3	2-Butanone	15000		ug/L	1000	81.18	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 108-10-1	4-Methyl-2-pentanone	280	J	ug/L	500	74.00	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 591-78-6	2-Hexanone	210	JX+	ug/L	500	68.90	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1713	T1-036	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 95-63-6	1,2,4-Trimethylbenzene	220		ug/L	200	20.03	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 135-98-8	sec-Butylbenzene	190	J	ug/L	200	32.34	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 99-87-6	p-Isopropyltoluene	360	J	ug/L	200	25.48	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 106-46-7	1,4-Dichlorobenzene	85	J	ug/L	200	33.03	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 91-20-3	Naphthalene	320	J	ug/L	500	56.04	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962				
NAL13026-1713	T1-036	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962	50	100%		
NAL13026-1713	T1-036	STD 17060-07-0	1,2-Dichloroethane d4	53		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962	50	106%		
NAL13026-1713	T1-036	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962	50	102%		
NAL13026-1713	T1-036	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4962	50	108%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101414CCVA	D101414CCVA	ORG 75-71-8	Dichlorodifluoromethane	40		ug/L	5	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	80%		
D101414CCVA	D101414CCVA	ORG 74-87-3	Chloromethane	46		ug/L	5	0.43	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	92%		
D101414CCVA	D101414CCVA	ORG 75-01-4	Vinyl chloride	44		ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	88%		
D101414CCVA	D101414CCVA	ORG 74-83-9	Bromomethane	63		ug/L	5	0.50	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	126%		
D101414CCVA	D101414CCVA	ORG 75-00-3	Chloroethane	47		ug/L	5	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	94%		
D101414CCVA	D101414CCVA	ORG 75-69-4	Trichlorofluoromethane	65		ug/L	5	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	130%		
D101414CCVA	D101414CCVA	ORG 75-35-4	1,1-Dichloroethene	40		ug/L	1	0.47	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	80%		
D101414CCVA	D101414CCVA	ORG 75-09-2	Methylene chloride	51		ug/L	5	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	102%		
D101414CCVA	D101414CCVA	ORG 67-64-1	Acetone	72		ug/L	10	1.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	144%		
D101414CCVA	D101414CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	49		ug/L	1	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	98%		
D101414CCVA	D101414CCVA	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	104%		
D101414CCVA	D101414CCVA	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	94%		
D101414CCVA	D101414CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	98%		
D101414CCVA	D101414CCVA	ORG 74-97-5	Bromochloromethane	47		ug/L	10	0.41	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	94%		
D101414CCVA	D101414CCVA	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	92%		
D101414CCVA	D101414CCVA	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	100%		
D101414CCVA	D101414CCVA	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	106%		
D101414CCVA	D101414CCVA	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	102%		
D101414CCVA	D101414CCVA	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	98%		
D101414CCVA	D101414CCVA	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	96%		
D101414CCVA	D101414CCVA	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	98%		
D101414CCVA	D101414CCVA	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	94%		
D101414CCVA	D101414CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	98%		
D101414CCVA	D101414CCVA	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	100%		
D101414CCVA	D101414CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	108%		
D101414CCVA	D101414CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	92%		
D101414CCVA	D101414CCVA	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	106%		
D101414CCVA	D101414CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	114%		
D101414CCVA	D101414CCVA	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	82%		
D101414CCVA	D101414CCVA	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	88%		
D101414CCVA	D101414CCVA	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	104%		
D101414CCVA	D101414CCVA	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	98%		
D101414CCVA	D101414CCVA	ORG 591-78-6	2-Hexanone	69		ug/L	2	0.69	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	138%		
D101414CCVA	D101414CCVA	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	108%		
D101414CCVA	D101414CCVA	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	98%		
D101414CCVA	D101414CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	53		ug/L	2	0.19	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	106%		
D101414CCVA	D101414CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	100	110%		
D101414CCVA	D101414CCVA	ORG 95-47-6	o-Xylene	57		ug/L	1	0.13	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	114%		
D101414CCVA	D101414CCVA	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	102%		
D101414CCVA	D101414CCVA	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	108%		
D101414CCVA	D101414CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	106%		
D101414CCVA	D101414CCVA	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	110%		
D101414CCVA	D101414CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	94%		
D101414CCVA	D101414CCVA	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	92%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101414CCVA	D101414CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	110%		
D101414CCVA	D101414CCVA	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	108%		
D101414CCVA	D101414CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	104%		
D101414CCVA	D101414CCVA	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	104%		
D101414CCVA	D101414CCVA	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	102%		
D101414CCVA	D101414CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	104%		
D101414CCVA	D101414CCVA	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	96%		
D101414CCVA	D101414CCVA	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	102%		
D101414CCVA	D101414CCVA	ORG 104-51-8	n-Butylbenzene	57		ug/L	5	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	114%		
D101414CCVA	D101414CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	48		ug/L	5	1.59	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	96%		
D101414CCVA	D101414CCVA	ORG 87-68-3	Hexachlorobutadiene	58		ug/L	5	0.65	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	116%		
D101414CCVA	D101414CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	100%		
D101414CCVA	D101414CCVA	ORG 91-20-3	Naphthalene	45		ug/L	5	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	90%		
D101414CCVA	D101414CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	56		ug/L	5	0.23	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	112%		
D101414CCVA	D101414CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	98%		
D101414CCVA	D101414CCVA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	98%		
D101414CCVA	D101414CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	98%		
D101414CCVA	D101414CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4960	50	104%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101414MBKA	D101414MBKA	ORG 75-71-8	Dichlorodifluoromethane	U	ug/L	5	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 74-87-3	Chloromethane	U	ug/L	5	0.43	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 75-01-4	Vinyl chloride	U	ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 74-83-9	Bromomethane	U	ug/L	5	0.50	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 75-00-3	Chloroethane	U	ug/L	5	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 75-69-4	Trichlorofluoromethane	U	ug/L	5	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 75-35-4	1,1-Dichloroethene	U	ug/L	1	0.47	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 75-09-2	Methylene chloride	U	ug/L	5	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 67-64-1	Acetone	U	ug/L	10	1.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U	ug/L	1	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 1634-04-4	MTBE	U	ug/L	5	0.61	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 75-34-3	1,1-Dichloroethane	U	ug/L	1	0.53	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U	ug/L	1	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 74-97-5	Bromochloromethane	U	ug/L	10	0.41	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 67-66-3	Chloroform	U	ug/L	2	0.16	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U	ug/L	1	0.17	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 78-93-3	2-Butanone	U	ug/L	1	0.81	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 56-23-5	Carbon tetrachloride	U	ug/L	1	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 71-43-2	Benzene	U	ug/L	1	0.14	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 107-06-2	1,2-Dichloroethane	U	ug/L	1	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 79-01-6	Trichloroethene	U	ug/L	1	0.36	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 74-95-3	Dibromomethane	U	ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 78-87-5	1,2-Dichloropropane	U	ug/L	1	0.18	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 75-27-4	Bromodichloromethane	U	ug/L	2	0.12	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U	ug/L	1	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 108-88-3	Toluene	U	ug/L	1	0.21	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U	ug/L	5	0.74	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U	ug/L	1	0.31	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 127-18-4	Tetrachloroethene	U	ug/L	1	0.49	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U	ug/L	1	0.34	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 124-48-1	Dibromochloromethane	U	ug/L	5	0.30	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 106-93-4	1,2-Dibromoethane	U	ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 591-78-6	2-Hexanone	U	ug/L	2	0.69	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 100-41-4	Ethylbenzene	U	ug/L	1	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 108-90-7	Chlorobenzene	U	ug/L	1	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U	ug/L	2	0.19	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG XYLMP	p&m-Xylene	U	ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 95-47-6	o-Xylene	U	ug/L	1	0.13	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 100-42-5	Styrene	U	ug/L	1	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 75-25-2	Bromoform	U	ug/L	2	0.47	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 98-82-8	Isopropylbenzene	U	ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 103-65-1	n-Propylbenzene	U	ug/L	2	0.27	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U	ug/L	2	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					
D101414MBKA	D101414MBKA	ORG 96-18-4	1,2,3-Trichloropropane	U	ug/L	2	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961					



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101414MBKA	D101414MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961				
D101414MBKA	D101414MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961	50	98%		
D101414MBKA	D101414MBKA	STD 17060-07-0	1,2-Dichloroethane d4	53		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961	50	106%		
D101414MBKA	D101414MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961	50	102%		
D101414MBKA	D101414MBKA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4961	50	106%		



Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101414ALCS	D101414ALCS	ORG 75-71-8	Dichlorodifluoromethane	31		ug/L	5	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	62%		
D101414ALCS	D101414ALCS	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	84%		
D101414ALCS	D101414ALCS	ORG 75-01-4	Vinyl chloride	36		ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	72%		
D101414ALCS	D101414ALCS	ORG 74-83-9	Bromomethane	47		ug/L	5	0.50	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	94%		
D101414ALCS	D101414ALCS	ORG 75-00-3	Chloroethane	48		ug/L	5	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	96%		
D101414ALCS	D101414ALCS	ORG 75-69-4	Trichlorofluoromethane	57		ug/L	5	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	114%		
D101414ALCS	D101414ALCS	ORG 75-35-4	1,1-Dichloroethene	44		ug/L	1	0.47	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	88%		
D101414ALCS	D101414ALCS	ORG 75-09-2	Methylene chloride	51		ug/L	5	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	102%		
D101414ALCS	D101414ALCS	ORG 67-64-1	Acetone	79		ug/L	10	1.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	158%		
D101414ALCS	D101414ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	90%		
D101414ALCS	D101414ALCS	ORG 1634-04-4	MTBE	57		ug/L	5	0.61	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	114%		
D101414ALCS	D101414ALCS	ORG 75-34-3	1,1-Dichloroethane	49		ug/L	1	0.53	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	98%		
D101414ALCS	D101414ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	98%		
D101414ALCS	D101414ALCS	ORG 74-97-5	Bromochloromethane	52		ug/L	10	0.41	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	104%		
D101414ALCS	D101414ALCS	ORG 67-66-3	Chloroform	50		ug/L	2	0.16	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	100%		
D101414ALCS	D101414ALCS	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	98%		
D101414ALCS	D101414ALCS	ORG 78-93-3	2-Butanone	55		ug/L	1	0.81	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	110%		
D101414ALCS	D101414ALCS	ORG 56-23-5	Carbon tetrachloride	47		ug/L	1	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	94%		
D101414ALCS	D101414ALCS	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	100%		
D101414ALCS	D101414ALCS	ORG 107-06-2	1,2-Dichloroethane	55		ug/L	1	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	110%		
D101414ALCS	D101414ALCS	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	96%		
D101414ALCS	D101414ALCS	ORG 74-95-3	Dibromomethane	54		ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	108%		
D101414ALCS	D101414ALCS	ORG 78-87-5	1,2-Dichloropropane	52		ug/L	1	0.18	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	104%		
D101414ALCS	D101414ALCS	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	100%		
D101414ALCS	D101414ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	106%		
D101414ALCS	D101414ALCS	ORG 108-88-3	Toluene	44		ug/L	1	0.21	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	88%		
D101414ALCS	D101414ALCS	ORG 108-10-1	4-Methyl-2-pentanone	57		ug/L	5	0.74	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	114%		
D101414ALCS	D101414ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	114%		
D101414ALCS	D101414ALCS	ORG 127-18-4	Tetrachloroethene	44		ug/L	1	0.49	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	88%		
D101414ALCS	D101414ALCS	ORG 79-00-5	1,1,2-Trichloroethane	48		ug/L	1	0.34	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	96%		
D101414ALCS	D101414ALCS	ORG 124-48-1	Dibromochloromethane	55		ug/L	5	0.30	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	110%		
D101414ALCS	D101414ALCS	ORG 106-93-4	1,2-Dibromomethane	53		ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	106%		
D101414ALCS	D101414ALCS	ORG 591-78-6	2-Hexanone	76		ug/L	2	0.69	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	152%		
D101414ALCS	D101414ALCS	ORG 100-41-4	Ethylbenzene	50		ug/L	1	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	100%		
D101414ALCS	D101414ALCS	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	94%		
D101414ALCS	D101414ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	104%		
D101414ALCS	D101414ALCS	ORG XYLMP	p&m-Xylene	100		ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	100	100%		
D101414ALCS	D101414ALCS	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	106%		
D101414ALCS	D101414ALCS	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	98%		
D101414ALCS	D101414ALCS	ORG 75-25-2	Bromoform	55		ug/L	2	0.47	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	110%		
D101414ALCS	D101414ALCS	ORG 98-82-8	Isopropylbenzene	49		ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	98%		
D101414ALCS	D101414ALCS	ORG 103-65-1	n-Propylbenzene	51		ug/L	2	0.27	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	102%		
D101414ALCS	D101414ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	51		ug/L	2	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	102%		
D101414ALCS	D101414ALCS	ORG 96-18-4	1,2,3-Trichloropropane	51		ug/L	2	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	102%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101414ALCS	D101414ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	106%		
D101414ALCS	D101414ALCS	ORG 98-06-6	tert-Butylbenzene	50		ug/L	2	0.33	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	100%		
D101414ALCS	D101414ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	100%		
D101414ALCS	D101414ALCS	ORG 135-98-8	sec-Butylbenzene	48		ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	96%		
D101414ALCS	D101414ALCS	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	102%		
D101414ALCS	D101414ALCS	ORG 99-87-6	p-Isopropyltoluene	48		ug/L	2	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	96%		
D101414ALCS	D101414ALCS	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	96%		
D101414ALCS	D101414ALCS	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	104%		
D101414ALCS	D101414ALCS	ORG 104-51-8	n-Butylbenzene	51		ug/L	5	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	102%		
D101414ALCS	D101414ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	57		ug/L	5	1.59	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	114%		
D101414ALCS	D101414ALCS	ORG 87-68-3	Hexachlorobutadiene	51		ug/L	5	0.65	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	102%		
D101414ALCS	D101414ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	51		ug/L	5	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	102%		
D101414ALCS	D101414ALCS	ORG 91-20-3	Naphthalene	50		ug/L	5	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	100%		
D101414ALCS	D101414ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	57		ug/L	5	0.23	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	114%		
D101414ALCS	D101414ALCS	STD 1868-53-7	Dibromofluoromethane	53		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	106%		
D101414ALCS	D101414ALCS	STD 17060-07-0	1,2-Dichloroethane d4	56		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	112%		
D101414ALCS	D101414ALCS	STD 2037-26-5	Toluene d8	46		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	92%		
D101414ALCS	D101414ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4964	50	102%		



Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101414ALCD	D101414ALCD	ORG 75-71-8	Dichlorodifluoromethane	37		ug/L	5	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	74%	18%	
D101414ALCD	D101414ALCD	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	84%	0%	
D101414ALCD	D101414ALCD	ORG 75-01-4	Vinyl chloride	39		ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	78%	8%	
D101414ALCD	D101414ALCD	ORG 74-83-9	Bromomethane	46		ug/L	5	0.50	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	92%	2%	
D101414ALCD	D101414ALCD	ORG 75-00-3	Chloroethane	48		ug/L	5	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	96%	0%	
D101414ALCD	D101414ALCD	ORG 75-69-4	Trichlorofluoromethane	62		ug/L	5	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	124%	8%	
D101414ALCD	D101414ALCD	ORG 75-35-4	1,1-Dichloroethene	46		ug/L	1	0.47	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	92%	4%	
D101414ALCD	D101414ALCD	ORG 75-09-2	Methylene chloride	49		ug/L	5	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	98%	4%	
D101414ALCD	D101414ALCD	ORG 67-64-1	Acetone	76		ug/L	10	1.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	152%	4%	
D101414ALCD	D101414ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	92%	2%	
D101414ALCD	D101414ALCD	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	11%	
D101414ALCD	D101414ALCD	ORG 75-34-3	1,1-Dichloroethane	48		ug/L	1	0.53	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	96%	2%	
D101414ALCD	D101414ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	96%	2%	
D101414ALCD	D101414ALCD	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	96%	8%	
D101414ALCD	D101414ALCD	ORG 67-66-3	Chloroform	49		ug/L	2	0.16	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	98%	2%	
D101414ALCD	D101414ALCD	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	4%	
D101414ALCD	D101414ALCD	ORG 78-93-3	2-Butanone	49		ug/L	1	0.81	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	98%	12%	
D101414ALCD	D101414ALCD	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	8%	
D101414ALCD	D101414ALCD	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	98%	2%	
D101414ALCD	D101414ALCD	ORG 107-06-2	1,2-Dichloroethane	51		ug/L	1	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	8%	
D101414ALCD	D101414ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	96%	0%	
D101414ALCD	D101414ALCD	ORG 74-95-3	Dibromomethane	51		ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	6%	
D101414ALCD	D101414ALCD	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	2%	
D101414ALCD	D101414ALCD	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	100%	0%	
D101414ALCD	D101414ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	106%	0%	
D101414ALCD	D101414ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	92%	4%	
D101414ALCD	D101414ALCD	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	108%	5%	
D101414ALCD	D101414ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	114%	0%	
D101414ALCD	D101414ALCD	ORG 127-18-4	Tetrachloroethene	50		ug/L	1	0.49	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	100%	13%	
D101414ALCD	D101414ALCD	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	94%	2%	
D101414ALCD	D101414ALCD	ORG 124-48-1	Dibromochloromethane	54		ug/L	5	0.30	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	108%	2%	
D101414ALCD	D101414ALCD	ORG 106-93-4	1,2-Dibromomethane	51		ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	4%	
D101414ALCD	D101414ALCD	ORG 591-78-6	2-Hexanone	71		ug/L	2	0.69	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	142%	7%	
D101414ALCD	D101414ALCD	ORG 100-41-4	Ethylbenzene	52		ug/L	1	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	104%	4%	
D101414ALCD	D101414ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	94%	0%	
D101414ALCD	D101414ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	2%	
D101414ALCD	D101414ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	100	110%	10%	
D101414ALCD	D101414ALCD	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	112%	6%	
D101414ALCD	D101414ALCD	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	98%	0%	
D101414ALCD	D101414ALCD	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	108%	2%	
D101414ALCD	D101414ALCD	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	104%	6%	
D101414ALCD	D101414ALCD	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	108%	6%	
D101414ALCD	D101414ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	96%	6%	
D101414ALCD	D101414ALCD	ORG 96-18-4	1,2,3-Trichloropropane	48		ug/L	2	0.29	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	96%	6%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101414ALCD	D101414ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	110%	4%	
D101414ALCD	D101414ALCD	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	104%	4%	
D101414ALCD	D101414ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	2%	
D101414ALCD	D101414ALCD	ORG 135-98-8	sec-Butylbenzene	50		ug/L	2	0.32	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	100%	4%	
D101414ALCD	D101414ALCD	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	100%	2%	
D101414ALCD	D101414ALCD	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	6%	
D101414ALCD	D101414ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	96%	0%	
D101414ALCD	D101414ALCD	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	2%	
D101414ALCD	D101414ALCD	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	108%	6%	
D101414ALCD	D101414ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	55		ug/L	5	1.59	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	110%	4%	
D101414ALCD	D101414ALCD	ORG 87-68-3	Hexachlorobutadiene	55		ug/L	5	0.65	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	110%	8%	
D101414ALCD	D101414ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	51		ug/L	5	0.28	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	0%	
D101414ALCD	D101414ALCD	ORG 91-20-3	Naphthalene	49		ug/L	5	0.56	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	98%	2%	
D101414ALCD	D101414ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	56		ug/L	5	0.23	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	112%	2%	
D101414ALCD	D101414ALCD	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	4%	
D101414ALCD	D101414ALCD	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	9%	
D101414ALCD	D101414ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	96%	4%	
D101414ALCD	D101414ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/14/2014	10/14/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4965	50	102%	0%	



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1713MS	T1-036	ORG 75-71-8	Dichlorodifluoromethane	4000		ug/L	500	29.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	80%		
NAL13026-1713MS	T1-036	ORG 74-87-3	Chloromethane	3900		ug/L	500	43.07	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	78%		
NAL13026-1713MS	T1-036	ORG 75-01-4	Vinyl chloride	3900		ug/L	200	31.86	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	78%		
NAL13026-1713MS	T1-036	ORG 74-83-9	Bromomethane	4800		ug/L	500	50.04	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	96%		
NAL13026-1713MS	T1-036	ORG 75-00-3	Chloroethane	5100		ug/L	500	55.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	102%		
NAL13026-1713MS	T1-036	ORG 75-69-4	Trichlorofluoromethane	8200		ug/L	500	19.65	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	164%		
NAL13026-1713MS	T1-036	ORG 75-35-4	1,1-Dichloroethene	4600		ug/L	100	47.11	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	92%		
NAL13026-1713MS	T1-036	ORG 75-09-2	Methylene chloride	4800		ug/L	500	26.46	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	96%		
NAL13026-1713MS	T1-036	ORG 67-64-1	Acetone	100000		ug/L	1000	155.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	0%		100000
NAL13026-1713MS	T1-036	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	92%		
NAL13026-1713MS	T1-036	ORG 1634-04-4	MTBE	5200		ug/L	500	61.18	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	104%		
NAL13026-1713MS	T1-036	ORG 75-34-3	1,1-Dichloroethane	4700		ug/L	100	52.66	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	94%		
NAL13026-1713MS	T1-036	ORG 156-59-2	cis-1,2-Dichloroethene	5000		ug/L	100	32.11	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	100%		
NAL13026-1713MS	T1-036	ORG 74-97-5	Bromochloromethane	4800		ug/L	1000	41.37	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	96%		
NAL13026-1713MS	T1-036	ORG 67-66-3	Chloroform	4800		ug/L	200	15.73	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	96%		
NAL13026-1713MS	T1-036	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	100%		
NAL13026-1713MS	T1-036	ORG 78-93-3	2-Butanone	23000		ug/L	100	81.18	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	160%		15000
NAL13026-1713MS	T1-036	ORG 56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	102%		
NAL13026-1713MS	T1-036	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	98%		
NAL13026-1713MS	T1-036	ORG 107-06-2	1,2-Dichloroethane	5100		ug/L	100	20.01	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	102%		
NAL13026-1713MS	T1-036	ORG 79-01-6	Trichloroethene	5000		ug/L	100	36.33	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	100%		
NAL13026-1713MS	T1-036	ORG 74-95-3	Dibromomethane	5100		ug/L	200	32.20	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	102%		
NAL13026-1713MS	T1-036	ORG 78-87-5	1,2-Dichloropropane	5100		ug/L	100	18.17	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	102%		
NAL13026-1713MS	T1-036	ORG 75-27-4	Bromodichloromethane	5000		ug/L	200	11.58	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	100%		
NAL13026-1713MS	T1-036	ORG 10061-01-5	cis-1,3-Dichloropropene	5200		ug/L	100	25.01	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	104%		
NAL13026-1713MS	T1-036	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	94%		
NAL13026-1713MS	T1-036	ORG 108-10-1	4-Methyl-2-pentanone	6100		ug/L	500	74.00	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	116%		280
NAL13026-1713MS	T1-036	ORG 10061-02-6	trans-1,3-Dichloropropene	5700		ug/L	100	31.15	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	114%		
NAL13026-1713MS	T1-036	ORG 127-18-4	Tetrachloroethene	5000		ug/L	100	48.56	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	100%		
NAL13026-1713MS	T1-036	ORG 79-00-5	1,1,2-Trichloroethane	4700		ug/L	100	34.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	94%		
NAL13026-1713MS	T1-036	ORG 124-48-1	Dibromochloromethane	5300		ug/L	500	29.90	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	106%		
NAL13026-1713MS	T1-036	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	104%		
NAL13026-1713MS	T1-036	ORG 591-78-6	2-Hexanone	6800		ug/L	200	68.90	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	132%		210
NAL13026-1713MS	T1-036	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	108%		
NAL13026-1713MS	T1-036	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	96%		
NAL13026-1713MS	T1-036	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5300		ug/L	200	19.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	106%		
NAL13026-1713MS	T1-036	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	10000	110%		
NAL13026-1713MS	T1-036	ORG 95-47-6	o-Xylene	5600		ug/L	100	12.90	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	112%		
NAL13026-1713MS	T1-036	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	102%		
NAL13026-1713MS	T1-036	ORG 75-25-2	Bromoform	5300		ug/L	200	46.83	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	106%		
NAL13026-1713MS	T1-036	ORG 98-82-8	Isopropylbenzene	5300		ug/L	200	20.48	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	106%		
NAL13026-1713MS	T1-036	ORG 103-65-1	n-Propylbenzene	5500		ug/L	200	27.00	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	110%		
NAL13026-1713MS	T1-036	ORG 79-34-5	1,1,2,2-Tetrachloroethane	5100		ug/L	200	29.16	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	102%		
NAL13026-1713MS	T1-036	ORG 96-18-4	1,2,3-Trichloropropane	4900		ug/L	200	29.47	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	98%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1713MS	T1-036	ORG 108-67-8	1,3,5-Trimethylbenzene	5500		ug/L	200	20.03	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	110%		
NAL13026-1713MS	T1-036	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	104%		
NAL13026-1713MS	T1-036	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	98%		220
NAL13026-1713MS	T1-036	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	100%		190
NAL13026-1713MS	T1-036	ORG 541-73-1	1,3-Dichlorobenzene	5100		ug/L	200	22.21	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	102%		
NAL13026-1713MS	T1-036	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	99%		360
NAL13026-1713MS	T1-036	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	96%		85
NAL13026-1713MS	T1-036	ORG 95-50-1	1,2-Dichlorobenzene	5300		ug/L	200	26.38	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	106%		
NAL13026-1713MS	T1-036	ORG 104-51-8	n-Butylbenzene	5600		ug/L	500	27.81	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	112%		
NAL13026-1713MS	T1-036	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5800		ug/L	500	159.11	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	116%		
NAL13026-1713MS	T1-036	ORG 87-68-3	Hexachlorobutadiene	5400		ug/L	500	65.42	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	108%		
NAL13026-1713MS	T1-036	ORG 120-82-1	1,2,4-Trichlorobenzene	5300		ug/L	500	27.63	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	106%		
NAL13026-1713MS	T1-036	ORG 91-20-3	Naphthalene	5700		ug/L	500	56.04	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	108%		320
NAL13026-1713MS	T1-036	ORG 87-61-6	1,2,3-Trichlorobenzene	5600		ug/L	500	23.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	5000	112%		
NAL13026-1713MS	T1-036	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	50	98%		
NAL13026-1713MS	T1-036	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	50	102%		
NAL13026-1713MS	T1-036	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	50	96%		
NAL13026-1713MS	T1-036	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4966	50	106%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1713MSD	T1-036	ORG 75-71-8	Dichlorodifluoromethane	3900		ug/L	500	29.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	78%	3%	
NAL13026-1713MSD	T1-036	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	88%	12%	
NAL13026-1713MSD	T1-036	ORG 75-01-4	Vinyl chloride	3800		ug/L	200	31.86	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	76%	3%	
NAL13026-1713MSD	T1-036	ORG 74-83-9	Bromomethane	4300		ug/L	500	50.04	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	86%	11%	
NAL13026-1713MSD	T1-036	ORG 75-00-3	Chloroethane	4300		ug/L	500	55.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	86%	17%	
NAL13026-1713MSD	T1-036	ORG 75-69-4	Trichlorofluoromethane	6000		ug/L	500	19.65	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	120%	31%	
NAL13026-1713MSD	T1-036	ORG 75-35-4	1,1-Dichloroethene	4700		ug/L	100	47.11	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	94%	2%	
NAL13026-1713MSD	T1-036	ORG 75-09-2	Methylene chloride	4800		ug/L	500	26.46	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	96%	0%	
NAL13026-1713MSD	T1-036	ORG 67-64-1	Acetone	97000		ug/L	1000	155.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	-60%	3%	100000
NAL13026-1713MSD	T1-036	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	94%	2%	
NAL13026-1713MSD	T1-036	ORG 1634-04-4	MTBE	5100		ug/L	500	61.18	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	102%	2%	
NAL13026-1713MSD	T1-036	ORG 75-34-3	1,1-Dichloroethane	4700		ug/L	100	52.66	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	94%	0%	
NAL13026-1713MSD	T1-036	ORG 156-59-2	cis-1,2-Dichloroethene	5100		ug/L	100	32.11	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	102%	2%	
NAL13026-1713MSD	T1-036	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	94%	2%	
NAL13026-1713MSD	T1-036	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	94%	2%	
NAL13026-1713MSD	T1-036	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	100%	0%	
NAL13026-1713MSD	T1-036	ORG 78-93-3	2-Butanone	21000		ug/L	100	81.18	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	120%	9%	15000
NAL13026-1713MSD	T1-036	ORG 56-23-5	Carbon tetrachloride	5300		ug/L	100	27.64	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	106%	4%	
NAL13026-1713MSD	T1-036	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	98%	0%	
NAL13026-1713MSD	T1-036	ORG 107-06-2	1,2-Dichloroethane	4900		ug/L	100	20.01	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	98%	4%	
NAL13026-1713MSD	T1-036	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	96%	4%	
NAL13026-1713MSD	T1-036	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	100%	2%	
NAL13026-1713MSD	T1-036	ORG 78-87-5	1,2-Dichloropropane	5100		ug/L	100	18.17	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	102%	0%	
NAL13026-1713MSD	T1-036	ORG 75-27-4	Bromodichloromethane	5100		ug/L	200	11.58	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	102%	2%	
NAL13026-1713MSD	T1-036	ORG 10061-01-5	cis-1,3-Dichloropropene	5300		ug/L	100	25.01	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	106%	2%	
NAL13026-1713MSD	T1-036	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	94%	0%	
NAL13026-1713MSD	T1-036	ORG 108-10-1	4-Methyl-2-pentanone	5800		ug/L	500	74.00	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	110%	5%	280
NAL13026-1713MSD	T1-036	ORG 10061-02-6	trans-1,3-Dichloropropene	5700		ug/L	100	31.15	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	114%	0%	
NAL13026-1713MSD	T1-036	ORG 127-18-4	Tetrachloroethene	4900		ug/L	100	48.56	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	98%	2%	
NAL13026-1713MSD	T1-036	ORG 79-00-5	1,1,2-Trichloroethane	4700		ug/L	100	34.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	94%	0%	
NAL13026-1713MSD	T1-036	ORG 124-48-1	Dibromochloromethane	5200		ug/L	500	29.90	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	104%	2%	
NAL13026-1713MSD	T1-036	ORG 106-93-4	1,2-Dibromomethane	5000		ug/L	200	26.49	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	100%	4%	
NAL13026-1713MSD	T1-036	ORG 591-78-6	2-Hexanone	5500		ug/L	200	68.90	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	106%	21%	210
NAL13026-1713MSD	T1-036	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	110%	2%	
NAL13026-1713MSD	T1-036	ORG 108-90-7	Chlorobenzene	4900		ug/L	100	27.52	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	98%	2%	
NAL13026-1713MSD	T1-036	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5200		ug/L	200	19.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	104%	2%	
NAL13026-1713MSD	T1-036	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	10000	110%	0%	
NAL13026-1713MSD	T1-036	ORG 95-47-6	o-Xylene	5800		ug/L	100	12.90	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	116%	4%	
NAL13026-1713MSD	T1-036	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	104%	2%	
NAL13026-1713MSD	T1-036	ORG 75-25-2	Bromoform	5500		ug/L	200	46.83	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	110%	4%	
NAL13026-1713MSD	T1-036	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	108%	2%	
NAL13026-1713MSD	T1-036	ORG 103-65-1	n-Propylbenzene	5600		ug/L	200	27.00	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	112%	2%	
NAL13026-1713MSD	T1-036	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	96%	6%	
NAL13026-1713MSD	T1-036	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	96%	2%	

Confidential
D101414AKCF

D101414AKCF



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1713MSD	T1-036	ORG 108-67-8	1,3,5-Trimethylbenzene	5600		ug/L	200	20.03	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	112%	2%	
NAL13026-1713MSD	T1-036	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	106%	2%	
NAL13026-1713MSD	T1-036	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	100%	2%	220
NAL13026-1713MSD	T1-036	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	104%	4%	190
NAL13026-1713MSD	T1-036	ORG 541-73-1	1,3-Dichlorobenzene	5200		ug/L	200	22.21	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	104%	2%	
NAL13026-1713MSD	T1-036	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	99%	0%	360
NAL13026-1713MSD	T1-036	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	96%	0%	85
NAL13026-1713MSD	T1-036	ORG 95-50-1	1,2-Dichlorobenzene	5200		ug/L	200	26.38	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	104%	2%	
NAL13026-1713MSD	T1-036	ORG 104-51-8	n-Butylbenzene	5700		ug/L	500	27.81	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	114%	2%	
NAL13026-1713MSD	T1-036	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5800		ug/L	500	159.11	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	116%	0%	
NAL13026-1713MSD	T1-036	ORG 87-68-3	Hexachlorobutadiene	5800		ug/L	500	65.42	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	116%	7%	
NAL13026-1713MSD	T1-036	ORG 120-82-1	1,2,4-Trichlorobenzene	5400		ug/L	500	27.63	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	108%	2%	
NAL13026-1713MSD	T1-036	ORG 91-20-3	Naphthalene	5700		ug/L	500	56.04	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	108%	0%	320
NAL13026-1713MSD	T1-036	ORG 87-61-6	1,2,3-Trichlorobenzene	5800		ug/L	500	23.28	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	5000	116%	4%	
NAL13026-1713MSD	T1-036	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	50	100%	2%	
NAL13026-1713MSD	T1-036	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	50	102%	0%	
NAL13026-1713MSD	T1-036	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	50	98%	2%	
NAL13026-1713MSD	T1-036	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/14/2014	10/14/2014	10/14/2014	WG	100	NA	5.0	NA	SW8260B	NALD4967	50	106%	0%	



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1714	T1-037	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 67-64-1	Acetone	110000	DX+	ug/L	10000	1556.07	10/15/2014	10/15/2014	10/15/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4873				
NAL13026-1714	T1-037	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 78-93-3	2-Butanone	12000	D	ug/L	10000	811.80	10/15/2014	10/15/2014	10/15/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4973				
NAL13026-1714	T1-037	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 108-10-1	4-Methyl-2-pentanone	260	J	ug/L	500	74.00	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 591-78-6	2-Hexanone	270	JX+	ug/L	500	68.90	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1714	T1-037	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 95-63-6	1,2,4-Trimethylbenzene	220		ug/L	200	20.03	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 99-87-6	p-Isopropyltoluene	360		ug/L	200	25.48	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 106-46-7	1,4-Dichlorobenzene	68	J	ug/L	200	33.03	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 91-20-3	Naphthalene	360	J	ug/L	500	56.04	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972				
NAL13026-1714	T1-037	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972	50	100%		
NAL13026-1714	T1-037	STD 17060-07-0	1,2-Dichloroethane d4	54		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972	50	108%		
NAL13026-1714	T1-037	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972	50	104%		
NAL13026-1714	T1-037	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NAL4972	50	108%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101514CCVA	D101514CCVA	ORG 75-71-8	Dichlorodifluoromethane	41		ug/L	5	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	82%		
D101514CCVA	D101514CCVA	ORG 74-87-3	Chloromethane	46		ug/L	5	0.43	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	92%		
D101514CCVA	D101514CCVA	ORG 75-01-4	Vinyl chloride	44		ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	88%		
D101514CCVA	D101514CCVA	ORG 74-83-9	Bromomethane	52		ug/L	5	0.50	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	104%		
D101514CCVA	D101514CCVA	ORG 75-00-3	Chloroethane	45		ug/L	5	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	90%		
D101514CCVA	D101514CCVA	ORG 75-69-4	Trichlorofluoromethane	63		ug/L	5	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	126%		
D101514CCVA	D101514CCVA	ORG 75-35-4	1,1-Dichloroethene	49		ug/L	1	0.47	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	98%		
D101514CCVA	D101514CCVA	ORG 75-09-2	Methylene chloride	50		ug/L	5	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	100%		
D101514CCVA	D101514CCVA	ORG 67-64-1	Acetone	62		ug/L	10	1.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	124%		
D101514CCVA	D101514CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	49		ug/L	1	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	98%		
D101514CCVA	D101514CCVA	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	104%		
D101514CCVA	D101514CCVA	ORG 75-34-3	1,1-Dichloroethane	48		ug/L	1	0.53	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	96%		
D101514CCVA	D101514CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	50		ug/L	1	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	100%		
D101514CCVA	D101514CCVA	ORG 74-97-5	Bromochloromethane	47		ug/L	10	0.41	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	94%		
D101514CCVA	D101514CCVA	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	94%		
D101514CCVA	D101514CCVA	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	100%		
D101514CCVA	D101514CCVA	ORG 78-93-3	2-Butanone	52		ug/L	1	0.81	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	104%		
D101514CCVA	D101514CCVA	ORG 56-23-5	Carbon tetrachloride	54		ug/L	1	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	108%		
D101514CCVA	D101514CCVA	ORG 101-43-2	Benzene	50		ug/L	1	0.14	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	100%		
D101514CCVA	D101514CCVA	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	96%		
D101514CCVA	D101514CCVA	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	98%		
D101514CCVA	D101514CCVA	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	94%		
D101514CCVA	D101514CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	98%		
D101514CCVA	D101514CCVA	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	100%		
D101514CCVA	D101514CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	108%		
D101514CCVA	D101514CCVA	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	94%		
D101514CCVA	D101514CCVA	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	106%		
D101514CCVA	D101514CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	114%		
D101514CCVA	D101514CCVA	ORG 127-18-4	Tetrachloroethene	43		ug/L	1	0.49	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	86%		
D101514CCVA	D101514CCVA	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	90%		
D101514CCVA	D101514CCVA	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	104%		
D101514CCVA	D101514CCVA	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	98%		
D101514CCVA	D101514CCVA	ORG 591-78-6	2-Hexanone	72		ug/L	2	0.69	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	144%		
D101514CCVA	D101514CCVA	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	108%		
D101514CCVA	D101514CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	96%		
D101514CCVA	D101514CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	100%		
D101514CCVA	D101514CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	100	110%		
D101514CCVA	D101514CCVA	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	112%		
D101514CCVA	D101514CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	100%		
D101514CCVA	D101514CCVA	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	106%		
D101514CCVA	D101514CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	106%		
D101514CCVA	D101514CCVA	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	110%		
D101514CCVA	D101514CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	92%		
D101514CCVA	D101514CCVA	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	92%		

Confidential
D101514AVPP

D101514AVPP

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101514CCVA	D101514CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	110%		
D101514CCVA	D101514CCVA	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	108%		
D101514CCVA	D101514CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	102%		
D101514CCVA	D101514CCVA	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	104%		
D101514CCVA	D101514CCVA	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	102%		
D101514CCVA	D101514CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	104%		
D101514CCVA	D101514CCVA	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	96%		
D101514CCVA	D101514CCVA	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	100%		
D101514CCVA	D101514CCVA	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	112%		
D101514CCVA	D101514CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	52		ug/L	5	1.59	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	104%		
D101514CCVA	D101514CCVA	ORG 87-68-3	Hexachlorobutadiene	56		ug/L	5	0.65	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	112%		
D101514CCVA	D101514CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	98%		
D101514CCVA	D101514CCVA	ORG 91-20-3	Naphthalene	44		ug/L	5	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	88%		
D101514CCVA	D101514CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	52		ug/L	5	0.23	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	104%		
D101514CCVA	D101514CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	98%		
D101514CCVA	D101514CCVA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	98%		
D101514CCVA	D101514CCVA	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	100%		
D101514CCVA	D101514CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4969	50	104%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101514MBKA	D101514MBKA	ORG 75-71-8	Dichlorodifluoromethane	U	ug/L	5	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 74-87-3	Chloromethane	U	ug/L	5	0.43	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 75-01-4	Vinyl chloride	U	ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 74-83-9	Bromomethane	U	ug/L	5	0.50	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 75-00-3	Chloroethane	U	ug/L	5	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 75-69-4	Trichlorofluoromethane	U	ug/L	5	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 75-35-4	1,1-Dichloroethene	U	ug/L	1	0.47	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 75-09-2	Methylene chloride	U	ug/L	5	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 67-64-1	Acetone	U	ug/L	10	1.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U	ug/L	1	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 1634-04-4	MTBE	U	ug/L	5	0.61	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 75-34-3	1,1-Dichloroethane	U	ug/L	1	0.53	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U	ug/L	1	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 74-97-5	Bromochloromethane	U	ug/L	10	0.41	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 67-66-3	Chloroform	U	ug/L	2	0.16	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U	ug/L	1	0.17	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 78-93-3	2-Butanone	U	ug/L	1	0.81	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 56-23-5	Carbon tetrachloride	U	ug/L	1	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 71-43-2	Benzene	U	ug/L	1	0.14	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 107-06-2	1,2-Dichloroethane	U	ug/L	1	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 79-01-6	Trichloroethene	U	ug/L	1	0.36	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 74-95-3	Dibromomethane	U	ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 78-87-5	1,2-Dichloropropane	U	ug/L	1	0.18	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 75-27-4	Bromodichloromethane	U	ug/L	2	0.12	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U	ug/L	1	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 108-88-3	Toluene	U	ug/L	1	0.21	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U	ug/L	5	0.74	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U	ug/L	1	0.31	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 127-18-4	Tetrachloroethene	U	ug/L	1	0.49	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U	ug/L	1	0.34	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 124-48-1	Dibromochloromethane	U	ug/L	5	0.30	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 106-93-4	1,2-Dibromoethane	U	ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 591-78-6	2-Hexanone	U	ug/L	2	0.69	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 100-41-4	Ethylbenzene	U	ug/L	1	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 108-90-7	Chlorobenzene	U	ug/L	1	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U	ug/L	2	0.19	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG XYLMP	p&m-Xylene	U	ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 95-47-6	o-Xylene	U	ug/L	1	0.13	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 100-42-5	Styrene	U	ug/L	1	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 75-25-2	Bromoform	U	ug/L	2	0.47	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 98-82-8	Isopropylbenzene	U	ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 103-65-1	n-Propylbenzene	U	ug/L	2	0.27	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U	ug/L	2	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					
D101514MBKA	D101514MBKA	ORG 96-18-4	1,2,3-Trichloropropane	U	ug/L	2	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971					



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101514MBKA	D101514MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971				
D101514MBKA	D101514MBKA	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971	50	100%		
D101514MBKA	D101514MBKA	STD 17060-07-0	1,2-Dichloroethane d4	54		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971	50	108%		
D101514MBKA	D101514MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971	50	102%		
D101514MBKA	D101514MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4971	50	110%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101514ALCS	D101514ALCS	ORG 75-71-8	Dichlorodifluoromethane	38		ug/L	5	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	76%		
D101514ALCS	D101514ALCS	ORG 74-87-3	Chloromethane	43		ug/L	5	0.43	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	86%		
D101514ALCS	D101514ALCS	ORG 75-01-4	Vinyl chloride	39		ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	78%		
D101514ALCS	D101514ALCS	ORG 74-83-9	Bromomethane	48		ug/L	5	0.50	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	96%		
D101514ALCS	D101514ALCS	ORG 75-00-3	Chloroethane	46		ug/L	5	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	92%		
D101514ALCS	D101514ALCS	ORG 75-69-4	Trichlorofluoromethane	57		ug/L	5	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	114%		
D101514ALCS	D101514ALCS	ORG 75-35-4	1,1-Dichloroethene	48		ug/L	1	0.47	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	96%		
D101514ALCS	D101514ALCS	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	92%		
D101514ALCS	D101514ALCS	ORG 67-64-1	Acetone	77		ug/L	10	1.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	154%		
D101514ALCS	D101514ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	94%		
D101514ALCS	D101514ALCS	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	104%		
D101514ALCS	D101514ALCS	ORG 75-34-3	1,1-Dichloroethane	48		ug/L	1	0.53	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	96%		
D101514ALCS	D101514ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	98%		
D101514ALCS	D101514ALCS	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	96%		
D101514ALCS	D101514ALCS	ORG 67-66-3	Chloroform	48		ug/L	2	0.16	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	96%		
D101514ALCS	D101514ALCS	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	ORG 78-93-3	2-Butanone	52		ug/L	1	0.81	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	104%		
D101514ALCS	D101514ALCS	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	100%		
D101514ALCS	D101514ALCS	ORG 107-06-2	1,2-Dichloroethane	50		ug/L	1	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	100%		
D101514ALCS	D101514ALCS	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	98%		
D101514ALCS	D101514ALCS	ORG 74-95-3	Dibromomethane	50		ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	100%		
D101514ALCS	D101514ALCS	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	100%		
D101514ALCS	D101514ALCS	ORG 75-27-4	Bromodichloromethane	51		ug/L	2	0.12	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	108%		
D101514ALCS	D101514ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	92%		
D101514ALCS	D101514ALCS	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	112%		
D101514ALCS	D101514ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	112%		
D101514ALCS	D101514ALCS	ORG 127-18-4	Tetrachloroethene	44		ug/L	1	0.49	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	88%		
D101514ALCS	D101514ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	92%		
D101514ALCS	D101514ALCS	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	104%		
D101514ALCS	D101514ALCS	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	ORG 591-78-6	2-Hexanone	77		ug/L	2	0.69	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	154%		
D101514ALCS	D101514ALCS	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	106%		
D101514ALCS	D101514ALCS	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	94%		
D101514ALCS	D101514ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	104%		
D101514ALCS	D101514ALCS	ORG XYLYMP	p&m-Xylene	109		ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	100	109%		
D101514ALCS	D101514ALCS	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	112%		
D101514ALCS	D101514ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	100%		
D101514ALCS	D101514ALCS	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	108%		
D101514ALCS	D101514ALCS	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	104%		
D101514ALCS	D101514ALCS	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	108%		
D101514ALCS	D101514ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	96%		
D101514ALCS	D101514ALCS	ORG 96-18-4	1,2,3-Trichloropropane	48		ug/L	2	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101514ALCS	D101514ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	110%		
D101514ALCS	D101514ALCS	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	106%		
D101514ALCS	D101514ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	100%		
D101514ALCS	D101514ALCS	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	96%		
D101514ALCS	D101514ALCS	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	110%		
D101514ALCS	D101514ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	54		ug/L	5	1.59	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	108%		
D101514ALCS	D101514ALCS	ORG 87-68-3	Hexachlorobutadiene	57		ug/L	5	0.65	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	114%		
D101514ALCS	D101514ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	51		ug/L	5	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	96%		
D101514ALCS	D101514ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	54		ug/L	5	0.23	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	108%		
D101514ALCS	D101514ALCS	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		
D101514ALCS	D101514ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	96%		
D101514ALCS	D101514ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4970	50	102%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101514ALCD	D101514ALCD	ORG 75-71-8	Dichlorodifluoromethane	39		ug/L	5	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	78%	3%	
D101514ALCD	D101514ALCD	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	82%	5%	
D101514ALCD	D101514ALCD	ORG 75-01-4	Vinyl chloride	39		ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	78%	0%	
D101514ALCD	D101514ALCD	ORG 74-83-9	Bromomethane	55		ug/L	5	0.50	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	110%	14%	
D101514ALCD	D101514ALCD	ORG 75-00-3	Chloroethane	52		ug/L	5	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	104%	12%	
D101514ALCD	D101514ALCD	ORG 75-69-4	Trichlorofluoromethane	70		ug/L	5	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	140%	20%	
D101514ALCD	D101514ALCD	ORG 75-35-4	1,1-Dichloroethene	51		ug/L	1	0.47	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	102%	6%	
D101514ALCD	D101514ALCD	ORG 75-09-2	Methylene chloride	47		ug/L	5	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	94%	2%	
D101514ALCD	D101514ALCD	ORG 67-64-1	Acetone	74		ug/L	10	1.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	148%	4%	
D101514ALCD	D101514ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	90%	4%	
D101514ALCD	D101514ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	98%	6%	
D101514ALCD	D101514ALCD	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	94%	2%	
D101514ALCD	D101514ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	47		ug/L	1	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	94%	4%	
D101514ALCD	D101514ALCD	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	90%	6%	
D101514ALCD	D101514ALCD	ORG 67-66-3	Chloroform	48		ug/L	2	0.16	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	96%	0%	
D101514ALCD	D101514ALCD	ORG 71-55-6	1,1,1-Trichloroethane	52		ug/L	1	0.17	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	104%	2%	
D101514ALCD	D101514ALCD	ORG 78-93-3	2-Butanone	54		ug/L	1	0.81	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	108%	4%	
D101514ALCD	D101514ALCD	ORG 56-23-5	Carbon tetrachloride	55		ug/L	1	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	110%	8%	
D101514ALCD	D101514ALCD	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	98%	2%	
D101514ALCD	D101514ALCD	ORG 107-06-2	1,2-Dichloroethane	50		ug/L	1	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	100%	0%	
D101514ALCD	D101514ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	96%	2%	
D101514ALCD	D101514ALCD	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	92%	8%	
D101514ALCD	D101514ALCD	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	98%	2%	
D101514ALCD	D101514ALCD	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	100%	2%	
D101514ALCD	D101514ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	51		ug/L	1	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	102%	6%	
D101514ALCD	D101514ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	92%	0%	
D101514ALCD	D101514ALCD	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	106%	6%	
D101514ALCD	D101514ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	112%	0%	
D101514ALCD	D101514ALCD	ORG 127-18-4	Tetrachloroethene	42		ug/L	1	0.49	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	84%	5%	
D101514ALCD	D101514ALCD	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	88%	4%	
D101514ALCD	D101514ALCD	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	104%	0%	
D101514ALCD	D101514ALCD	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	96%	6%	
D101514ALCD	D101514ALCD	ORG 591-78-6	2-Hexanone	71		ug/L	2	0.69	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	142%	8%	
D101514ALCD	D101514ALCD	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	106%	0%	
D101514ALCD	D101514ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	94%	0%	
D101514ALCD	D101514ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	100%	4%	
D101514ALCD	D101514ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	100	110%	1%	
D101514ALCD	D101514ALCD	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	112%	0%	
D101514ALCD	D101514ALCD	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	98%	2%	
D101514ALCD	D101514ALCD	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	104%	4%	
D101514ALCD	D101514ALCD	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	106%	2%	
D101514ALCD	D101514ALCD	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	110%	2%	
D101514ALCD	D101514ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	94%	2%	
D101514ALCD	D101514ALCD	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	94%	2%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101514ALCD	D101514ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	112%	2%	
D101514ALCD	D101514ALCD	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	108%	2%	
D101514ALCD	D101514ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	102%	0%	
D101514ALCD	D101514ALCD	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	106%	4%	
D101514ALCD	D101514ALCD	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	102%	0%	
D101514ALCD	D101514ALCD	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	102%	2%	
D101514ALCD	D101514ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	96%	0%	
D101514ALCD	D101514ALCD	ORG 95-50-1	1,2-Dichlorobenzene	49		ug/L	2	0.26	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	98%	4%	
D101514ALCD	D101514ALCD	ORG 104-51-8	n-Butylbenzene	57		ug/L	5	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	114%	4%	
D101514ALCD	D101514ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	49		ug/L	5	1.59	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	98%	10%	
D101514ALCD	D101514ALCD	ORG 87-68-3	Hexachlorobutadiene	57		ug/L	5	0.65	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	114%	0%	
D101514ALCD	D101514ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	100%	2%	
D101514ALCD	D101514ALCD	ORG 91-20-3	Naphthalene	45		ug/L	5	0.56	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	90%	6%	
D101514ALCD	D101514ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	53		ug/L	5	0.23	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	106%	2%	
D101514ALCD	D101514ALCD	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	102%	0%	
D101514ALCD	D101514ALCD	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	104%	2%	
D101514ALCD	D101514ALCD	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	98%	2%	
D101514ALCD	D101514ALCD	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/15/2014	10/15/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4974	50	104%	2%	



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1714MS	T1-037	ORG 75-71-8	Dichlorodifluoromethane	3900		ug/L	500	29.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	78%		
NAL13026-1714MS	T1-037	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	88%		
NAL13026-1714MS	T1-037	ORG 75-01-4	Vinyl chloride	3900		ug/L	200	31.86	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	78%		
NAL13026-1714MS	T1-037	ORG 74-83-9	Bromomethane	4600		ug/L	500	50.04	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	92%		
NAL13026-1714MS	T1-037	ORG 75-00-3	Chloroethane	5300		ug/L	500	55.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	106%		
NAL13026-1714MS	T1-037	ORG 75-69-4	Trichlorofluoromethane	6500		ug/L	500	19.65	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	130%		
NAL13026-1714MS	T1-037	ORG 75-35-4	1,1-Dichloroethene	4900		ug/L	100	47.11	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	98%		
NAL13026-1714MS	T1-037	ORG 75-09-2	Methylene chloride	4700		ug/L	500	26.46	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	94%		
NAL13026-1714MS	T1-037	ORG 67-64-1	Acetone	95000		ug/L	1000	155.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	-300%		110000
NAL13026-1714MS	T1-037	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	90%		
NAL13026-1714MS	T1-037	ORG 1634-04-4	MTBE	5100		ug/L	500	61.18	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	102%		
NAL13026-1714MS	T1-037	ORG 75-34-3	1,1-Dichloroethane	4800		ug/L	100	52.66	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	96%		
NAL13026-1714MS	T1-037	ORG 156-59-2	cis-1,2-Dichloroethene	4900		ug/L	100	32.11	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	98%		
NAL13026-1714MS	T1-037	ORG 74-97-5	Bromochloromethane	4800		ug/L	1000	41.37	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	96%		
NAL13026-1714MS	T1-037	ORG 67-66-3	Chloroform	4800		ug/L	200	15.73	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	96%		
NAL13026-1714MS	T1-037	ORG 71-55-6	1,1,1-Trichloroethane	5300		ug/L	100	16.65	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	106%		
NAL13026-1714MS	T1-037	ORG 78-93-3	2-Butanone	22000		ug/L	100	81.18	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	200%		12000
NAL13026-1714MS	T1-037	ORG 56-23-5	Carbon tetrachloride	5300		ug/L	100	27.64	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	106%		
NAL13026-1714MS	T1-037	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	100%		
NAL13026-1714MS	T1-037	ORG 107-06-2	1,2-Dichloroethane	5200		ug/L	100	20.01	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	104%		
NAL13026-1714MS	T1-037	ORG 79-01-6	Trichloroethene	5000		ug/L	100	36.33	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	100%		
NAL13026-1714MS	T1-037	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	100%		
NAL13026-1714MS	T1-037	ORG 78-87-5	1,2-Dichloropropane	5300		ug/L	100	18.17	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	106%		
NAL13026-1714MS	T1-037	ORG 75-27-4	Bromodichloromethane	5200		ug/L	200	11.58	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	104%		
NAL13026-1714MS	T1-037	ORG 10061-01-5	cis-1,3-Dichloropropene	5600		ug/L	100	25.01	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	112%		
NAL13026-1714MS	T1-037	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	94%		
NAL13026-1714MS	T1-037	ORG 108-10-1	4-Methyl-2-pentanone	6000		ug/L	500	74.00	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	115%		260
NAL13026-1714MS	T1-037	ORG 10061-02-6	trans-1,3-Dichloropropene	5800		ug/L	100	31.15	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	116%		
NAL13026-1714MS	T1-037	ORG 127-18-4	Tetrachloroethene	4400		ug/L	100	48.56	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	88%		
NAL13026-1714MS	T1-037	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	92%		
NAL13026-1714MS	T1-037	ORG 124-48-1	Dibromochloromethane	5400		ug/L	500	29.90	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	108%		
NAL13026-1714MS	T1-037	ORG 106-93-4	1,2-Dibromoethane	5000		ug/L	200	26.49	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	100%		
NAL13026-1714MS	T1-037	ORG 591-78-6	2-Hexanone	6400		ug/L	200	68.90	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	123%		270
NAL13026-1714MS	T1-037	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	108%		
NAL13026-1714MS	T1-037	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	96%		
NAL13026-1714MS	T1-037	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5200		ug/L	200	19.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	104%		
NAL13026-1714MS	T1-037	ORG XYLYMP	p&m-Xylene	11000		ug/L	200	26.14	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	10000	110%		
NAL13026-1714MS	T1-037	ORG 95-47-6	o-Xylene	5800		ug/L	100	12.90	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	116%		
NAL13026-1714MS	T1-037	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	102%		
NAL13026-1714MS	T1-037	ORG 75-25-2	Bromoform	5400		ug/L	200	46.83	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	108%		
NAL13026-1714MS	T1-037	ORG 98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	110%		
NAL13026-1714MS	T1-037	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	114%		
NAL13026-1714MS	T1-037	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4900		ug/L	200	29.16	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	98%		
NAL13026-1714MS	T1-037	ORG 96-18-4	1,2,3-Trichloropropane	4900		ug/L	200	29.47	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	98%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1714MS	T1-037	ORG 108-67-8	1,3,5-Trimethylbenzene	5700		ug/L	200	20.03	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	114%		
NAL13026-1714MS	T1-037	ORG 98-06-6	tert-Butylbenzene	5400		ug/L	200	32.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	108%		
NAL13026-1714MS	T1-037	ORG 95-63-6	1,2,4-Trimethylbenzene	5400		ug/L	200	20.03	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	104%		220
NAL13026-1714MS	T1-037	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	108%		
NAL13026-1714MS	T1-037	ORG 541-73-1	1,3-Dichlorobenzene	5200		ug/L	200	22.21	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	104%		
NAL13026-1714MS	T1-037	ORG 99-87-6	p-Isopropyltoluene	5400		ug/L	200	25.48	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	101%		360
NAL13026-1714MS	T1-037	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	97%		68
NAL13026-1714MS	T1-037	ORG 95-50-1	1,2-Dichlorobenzene	5300		ug/L	200	26.38	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	106%		
NAL13026-1714MS	T1-037	ORG 104-51-8	n-Butylbenzene	5900		ug/L	500	27.81	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	118%		
NAL13026-1714MS	T1-037	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6000		ug/L	500	159.11	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	120%		
NAL13026-1714MS	T1-037	ORG 87-68-3	Hexachlorobutadiene	5800		ug/L	500	65.42	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	116%		
NAL13026-1714MS	T1-037	ORG 120-82-1	1,2,4-Trichlorobenzene	5400		ug/L	500	27.63	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	108%		
NAL13026-1714MS	T1-037	ORG 91-20-3	Naphthalene	5600		ug/L	500	56.04	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	105%		360
NAL13026-1714MS	T1-037	ORG 87-61-6	1,2,3-Trichlorobenzene	5600		ug/L	500	23.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	5000	112%		
NAL13026-1714MS	T1-037	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	50	102%		
NAL13026-1714MS	T1-037	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	50	104%		
NAL13026-1714MS	T1-037	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	50	100%		
NAL13026-1714MS	T1-037	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4975	50	108%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1714MSD	T1-037	ORG 75-71-8	Dichlorodifluoromethane	3900		ug/L	500	29.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	78%	0%	
NAL13026-1714MSD	T1-037	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	88%	0%	
NAL13026-1714MSD	T1-037	ORG 75-01-4	Vinyl chloride	3800		ug/L	200	31.86	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	76%	3%	
NAL13026-1714MSD	T1-037	ORG 74-83-9	Bromomethane	4500		ug/L	500	50.04	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	90%	2%	
NAL13026-1714MSD	T1-037	ORG 75-00-3	Chloroethane	4900		ug/L	500	55.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	98%	8%	
NAL13026-1714MSD	T1-037	ORG 75-69-4	Trichlorofluoromethane	7400		ug/L	500	19.65	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	148%	13%	
NAL13026-1714MSD	T1-037	ORG 75-35-4	1,1-Dichloroethene	4600		ug/L	100	47.11	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	92%	6%	
NAL13026-1714MSD	T1-037	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	90%	4%	
NAL13026-1714MSD	T1-037	ORG 67-64-1	Acetone	88000		ug/L	1000	155.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	-440%	8%	110000
NAL13026-1714MSD	T1-037	ORG 156-60-5	trans-1,2-Dichloroethene	4400		ug/L	100	55.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	88%	2%	
NAL13026-1714MSD	T1-037	ORG 1634-04-4	MTBE	4700		ug/L	500	61.18	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	94%	8%	
NAL13026-1714MSD	T1-037	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	92%	4%	
NAL13026-1714MSD	T1-037	ORG 156-59-2	cis-1,2-Dichloroethene	4800		ug/L	100	32.11	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	96%	2%	
NAL13026-1714MSD	T1-037	ORG 74-97-5	Bromochloromethane	4200		ug/L	1000	41.37	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	84%	13%	
NAL13026-1714MSD	T1-037	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	92%	4%	
NAL13026-1714MSD	T1-037	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	100%	6%	
NAL13026-1714MSD	T1-037	ORG 78-93-3	2-Butanone	20000		ug/L	100	81.18	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	160%	10%	12000
NAL13026-1714MSD	T1-037	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	98%	8%	
NAL13026-1714MSD	T1-037	ORG 71-43-2	Benzene	4700		ug/L	100	13.53	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	94%	6%	
NAL13026-1714MSD	T1-037	ORG 107-06-2	1,2-Dichloroethane	4800		ug/L	100	20.01	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	96%	8%	
NAL13026-1714MSD	T1-037	ORG 79-01-6	Trichloroethene	4700		ug/L	100	36.33	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	94%	6%	
NAL13026-1714MSD	T1-037	ORG 74-95-3	Dibromomethane	4800		ug/L	200	32.20	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	96%	4%	
NAL13026-1714MSD	T1-037	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	100%	6%	
NAL13026-1714MSD	T1-037	ORG 75-27-4	Bromodichloromethane	4900		ug/L	200	11.58	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	98%	6%	
NAL13026-1714MSD	T1-037	ORG 10061-01-5	cis-1,3-Dichloropropene	5200		ug/L	100	25.01	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	104%	7%	
NAL13026-1714MSD	T1-037	ORG 108-88-3	Toluene	4500		ug/L	100	20.96	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	90%	4%	
NAL13026-1714MSD	T1-037	ORG 108-10-1	4-Methyl-2-pentanone	5300		ug/L	500	74.00	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	101%	12%	260
NAL13026-1714MSD	T1-037	ORG 10061-02-6	trans-1,3-Dichloropropene	5400		ug/L	100	31.15	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	108%	7%	
NAL13026-1714MSD	T1-037	ORG 127-18-4	Tetrachloroethene	4300		ug/L	100	48.56	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	86%	2%	
NAL13026-1714MSD	T1-037	ORG 79-00-5	1,1,2-Trichloroethane	4300		ug/L	100	34.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	86%	7%	
NAL13026-1714MSD	T1-037	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	98%	10%	
NAL13026-1714MSD	T1-037	ORG 106-93-4	1,2-Dibromoethane	4800		ug/L	200	26.49	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	96%	4%	
NAL13026-1714MSD	T1-037	ORG 591-78-6	2-Hexanone	5300		ug/L	200	68.90	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	101%	19%	270
NAL13026-1714MSD	T1-037	ORG 100-41-4	Ethylbenzene	5300		ug/L	100	25.38	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	106%	2%	
NAL13026-1714MSD	T1-037	ORG 108-90-7	Chlorobenzene	4600		ug/L	100	27.52	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	92%	4%	
NAL13026-1714MSD	T1-037	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	98%	6%	
NAL13026-1714MSD	T1-037	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	10000	110%	0%	
NAL13026-1714MSD	T1-037	ORG 95-47-6	o-Xylene	5600		ug/L	100	12.90	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	112%	4%	
NAL13026-1714MSD	T1-037	ORG 100-42-5	Styrene	4900		ug/L	100	20.23	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	98%	4%	
NAL13026-1714MSD	T1-037	ORG 75-25-2	Bromoform	5100		ug/L	200	46.83	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	102%	6%	
NAL13026-1714MSD	T1-037	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	104%	6%	
NAL13026-1714MSD	T1-037	ORG 103-65-1	n-Propylbenzene	5400		ug/L	200	27.00	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	108%	5%	
NAL13026-1714MSD	T1-037	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4500		ug/L	200	29.16	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	90%	9%	
NAL13026-1714MSD	T1-037	ORG 96-18-4	1,2,3-Trichloropropane	4500		ug/L	200	29.47	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	90%	9%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1714MSD	T1-037	ORG 108-67-8	1,3,5-Trimethylbenzene	5400		ug/L	200	20.03	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	108%	5%	
NAL13026-1714MSD	T1-037	ORG 98-06-6	tert-Butylbenzene	5100		ug/L	200	32.61	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	102%	6%	
NAL13026-1714MSD	T1-037	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	98%	6%	220
NAL13026-1714MSD	T1-037	ORG 135-98-8	sec-Butylbenzene	5100		ug/L	200	32.34	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	102%	6%	
NAL13026-1714MSD	T1-037	ORG 541-73-1	1,3-Dichlorobenzene	4900		ug/L	200	22.21	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	98%	6%	
NAL13026-1714MSD	T1-037	ORG 99-87-6	p-Isopropyltoluene	5200		ug/L	200	25.48	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	97%	4%	360
NAL13026-1714MSD	T1-037	ORG 106-46-7	1,4-Dichlorobenzene	4700		ug/L	200	33.03	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	93%	4%	68
NAL13026-1714MSD	T1-037	ORG 95-50-1	1,2-Dichlorobenzene	4900		ug/L	200	26.38	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	98%	8%	
NAL13026-1714MSD	T1-037	ORG 104-51-8	n-Butylbenzene	5500		ug/L	500	27.81	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	110%	7%	
NAL13026-1714MSD	T1-037	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5400		ug/L	500	159.11	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	108%	11%	
NAL13026-1714MSD	T1-037	ORG 87-68-3	Hexachlorobutadiene	5800		ug/L	500	65.42	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	116%	0%	
NAL13026-1714MSD	T1-037	ORG 120-82-1	1,2,4-Trichlorobenzene	5100		ug/L	500	27.63	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	102%	6%	
NAL13026-1714MSD	T1-037	ORG 91-20-3	Naphthalene	5300		ug/L	500	56.04	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	99%	6%	360
NAL13026-1714MSD	T1-037	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	5000	104%	7%	
NAL13026-1714MSD	T1-037	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	50	100%	2%	
NAL13026-1714MSD	T1-037	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	50	104%	0%	
NAL13026-1714MSD	T1-037	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	50	98%	2%	
NAL13026-1714MSD	T1-037	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/15/2014	10/15/2014	10/15/2014	WG	100	NA	5.0	NA	SW8260B	NALD4976	50	108%	0%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1715	T1-038	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 67-64-1	Acetone	94000	DX+	ug/L	10000	1556.07	10/16/2014	10/16/2014	10/16/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4982				
NAL13026-1715	T1-038	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 78-93-3	2-Butanone	13000		ug/L	1000	81.18	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 108-10-1	4-Methyl-2-pentanone	280	J	ug/L	500	74.00	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1715	T1-038	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 99-87-6	p-Isopropyltoluene	350		ug/L	200	25.48	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 106-46-7	1,4-Dichlorobenzene	69	J	ug/L	200	33.03	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 91-20-3	Naphthalene	300	J	ug/L	500	56.04	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981				
NAL13026-1715	T1-038	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981	50	100%		
NAL13026-1715	T1-038	STD 17060-07-0	1,2-Dichloroethane d4	54		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981	50	108%		
NAL13026-1715	T1-038	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981	50	100%		
NAL13026-1715	T1-038	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4981	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101614CCVA	D101614CCVA	ORG 75-71-8	Dichlorodifluoromethane	40		ug/L	5	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	80%		
D101614CCVA	D101614CCVA	ORG 74-87-3	Chloromethane	45		ug/L	5	0.43	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	90%		
D101614CCVA	D101614CCVA	ORG 75-01-4	Vinyl chloride	43		ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	86%		
D101614CCVA	D101614CCVA	ORG 74-83-9	Bromomethane	58		ug/L	5	0.50	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	116%		
D101614CCVA	D101614CCVA	ORG 75-00-3	Chloroethane	51		ug/L	5	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	102%		
D101614CCVA	D101614CCVA	ORG 75-69-4	Trichlorofluoromethane	63		ug/L	5	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	126%		
D101614CCVA	D101614CCVA	ORG 75-35-4	1,1-Dichloroethene	53		ug/L	1	0.47	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	106%		
D101614CCVA	D101614CCVA	ORG 75-09-2	Methylene chloride	49		ug/L	5	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	98%		
D101614CCVA	D101614CCVA	ORG 67-64-1	Acetone	68		ug/L	10	1.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	136%		
D101614CCVA	D101614CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	92%		
D101614CCVA	D101614CCVA	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	104%		
D101614CCVA	D101614CCVA	ORG 75-34-3	1,1-Dichloroethane	48		ug/L	1	0.53	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	96%		
D101614CCVA	D101614CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	49		ug/L	1	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	98%		
D101614CCVA	D101614CCVA	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	92%		
D101614CCVA	D101614CCVA	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	94%		
D101614CCVA	D101614CCVA	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	100%		
D101614CCVA	D101614CCVA	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	106%		
D101614CCVA	D101614CCVA	ORG 56-23-5	Carbon tetrachloride	54		ug/L	1	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	108%		
D101614CCVA	D101614CCVA	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	98%		
D101614CCVA	D101614CCVA	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	96%		
D101614CCVA	D101614CCVA	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	98%		
D101614CCVA	D101614CCVA	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	96%		
D101614CCVA	D101614CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	98%		
D101614CCVA	D101614CCVA	ORG 75-27-4	Bromodichloromethane	49		ug/L	2	0.12	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	98%		
D101614CCVA	D101614CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	106%		
D101614CCVA	D101614CCVA	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	90%		
D101614CCVA	D101614CCVA	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	106%		
D101614CCVA	D101614CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	110%		
D101614CCVA	D101614CCVA	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	82%		
D101614CCVA	D101614CCVA	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	86%		
D101614CCVA	D101614CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	100%		
D101614CCVA	D101614CCVA	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	96%		
D101614CCVA	D101614CCVA	ORG 591-78-6	2-Hexanone	69		ug/L	2	0.69	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	138%		
D101614CCVA	D101614CCVA	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	106%		
D101614CCVA	D101614CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	96%		
D101614CCVA	D101614CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	102%		
D101614CCVA	D101614CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	100	110%		
D101614CCVA	D101614CCVA	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	112%		
D101614CCVA	D101614CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	100%		
D101614CCVA	D101614CCVA	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	108%		
D101614CCVA	D101614CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	106%		
D101614CCVA	D101614CCVA	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	110%		
D101614CCVA	D101614CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	90%		

Confidential
D101614AKCF

D101614AKCF



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101614CCVA	D101614CCVA	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	90%		
D101614CCVA	D101614CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	112%		
D101614CCVA	D101614CCVA	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	108%		
D101614CCVA	D101614CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	102%		
D101614CCVA	D101614CCVA	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	104%		
D101614CCVA	D101614CCVA	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	100%		
D101614CCVA	D101614CCVA	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	102%		
D101614CCVA	D101614CCVA	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	94%		
D101614CCVA	D101614CCVA	ORG 95-50-1	1,2-Dichlorobenzene	50		ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	100%		
D101614CCVA	D101614CCVA	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	112%		
D101614CCVA	D101614CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	48		ug/L	5	1.59	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	96%		
D101614CCVA	D101614CCVA	ORG 87-68-3	Hexachlorobutadiene	57		ug/L	5	0.65	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	114%		
D101614CCVA	D101614CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	98%		
D101614CCVA	D101614CCVA	ORG 91-20-3	Naphthalene	43		ug/L	5	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	86%		
D101614CCVA	D101614CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	102%		
D101614CCVA	D101614CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	98%		
D101614CCVA	D101614CCVA	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	102%		
D101614CCVA	D101614CCVA	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	96%		
D101614CCVA	D101614CCVA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4978	50	106%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent	
D101614MBKA	D101614MBKA	ORG 75-71-8	Dichlorodifluoromethane	U	ug/L	5	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 74-87-3	Chloromethane	U	ug/L	5	0.43	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 75-01-4	Vinyl chloride	U	ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 74-83-9	Bromomethane	U	ug/L	5	0.50	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 75-00-3	Chloroethane	U	ug/L	5	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 75-69-4	Trichlorofluoromethane	U	ug/L	5	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 75-35-4	1,1-Dichloroethene	U	ug/L	1	0.47	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 75-09-2	Methylene chloride	U	ug/L	5	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 67-64-1	Acetone	U	ug/L	10	1.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U	ug/L	1	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 1634-04-4	MTBE	U	ug/L	5	0.61	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 75-34-3	1,1-Dichloroethane	U	ug/L	1	0.53	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U	ug/L	1	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 74-97-5	Bromochloromethane	U	ug/L	10	0.41	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 67-66-3	Chloroform	U	ug/L	2	0.16	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U	ug/L	1	0.17	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 78-93-3	2-Butanone	U	ug/L	1	0.81	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 56-23-5	Carbon tetrachloride	U	ug/L	1	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 71-43-2	Benzene	U	ug/L	1	0.14	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 107-06-2	1,2-Dichloroethane	U	ug/L	1	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 79-01-6	Trichloroethene	U	ug/L	1	0.36	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 74-95-3	Dibromomethane	U	ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 78-87-5	1,2-Dichloropropane	U	ug/L	1	0.18	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 75-27-4	Bromodichloromethane	U	ug/L	2	0.12	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U	ug/L	1	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 108-88-3	Toluene	U	ug/L	1	0.21	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U	ug/L	5	0.74	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U	ug/L	1	0.31	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 127-18-4	Tetrachloroethene	U	ug/L	1	0.49	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U	ug/L	1	0.34	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 124-48-1	Dibromochloromethane	U	ug/L	5	0.30	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 106-93-4	1,2-Dibromoethane	U	ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 591-78-6	2-Hexanone	U	ug/L	2	0.69	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 100-41-4	Ethylbenzene	U	ug/L	1	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 108-90-7	Chlorobenzene	U	ug/L	1	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U	ug/L	2	0.19	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG XYLMP	p&m-Xylene	U	ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 95-47-6	o-Xylene	U	ug/L	1	0.13	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 100-42-5	Styrene	U	ug/L	1	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 75-25-2	Bromoform	U	ug/L	2	0.47	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 98-82-8	Isopropylbenzene	U	ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 103-65-1	n-Propylbenzene	U	ug/L	2	0.27	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						
D101614MBKA	D101614MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U	ug/L	2	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980						



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101614MBKA	D101614MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980				
D101614MBKA	D101614MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980	50	98%		
D101614MBKA	D101614MBKA	STD 17060-07-0	1,2-Dichloroethane d4	54		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980	50	108%		
D101614MBKA	D101614MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980	50	102%		
D101614MBKA	D101614MBKA	STD 460-00-4	Bromofluorobenzene	56		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4980	50	112%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101614ALCS	D101614ALCS	ORG 75-71-8	Dichlorodifluoromethane	38		ug/L	5	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	76%		
D101614ALCS	D101614ALCS	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	84%		
D101614ALCS	D101614ALCS	ORG 75-01-4	Vinyl chloride	38		ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	76%		
D101614ALCS	D101614ALCS	ORG 74-83-9	Bromomethane	49		ug/L	5	0.50	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	98%		
D101614ALCS	D101614ALCS	ORG 75-00-3	Chloroethane	46		ug/L	5	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	92%		
D101614ALCS	D101614ALCS	ORG 75-69-4	Trichlorofluoromethane	58		ug/L	5	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	116%		
D101614ALCS	D101614ALCS	ORG 75-35-4	1,1-Dichloroethene	46		ug/L	1	0.47	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	92%		
D101614ALCS	D101614ALCS	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	96%		
D101614ALCS	D101614ALCS	ORG 67-64-1	Acetone	86		ug/L	10	1.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	172%		
D101614ALCS	D101614ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	90%		
D101614ALCS	D101614ALCS	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	104%		
D101614ALCS	D101614ALCS	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	94%		
D101614ALCS	D101614ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	96%		
D101614ALCS	D101614ALCS	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	90%		
D101614ALCS	D101614ALCS	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	94%		
D101614ALCS	D101614ALCS	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	100%		
D101614ALCS	D101614ALCS	ORG 78-93-3	2-Butanone	54		ug/L	1	0.81	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	108%		
D101614ALCS	D101614ALCS	ORG 56-23-5	Carbon tetrachloride	53		ug/L	1	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	106%		
D101614ALCS	D101614ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	98%		
D101614ALCS	D101614ALCS	ORG 107-06-2	1,2-Dichloroethane	49		ug/L	1	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	98%		
D101614ALCS	D101614ALCS	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	96%		
D101614ALCS	D101614ALCS	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	98%		
D101614ALCS	D101614ALCS	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	100%		
D101614ALCS	D101614ALCS	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	100%		
D101614ALCS	D101614ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	104%		
D101614ALCS	D101614ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	92%		
D101614ALCS	D101614ALCS	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	112%		
D101614ALCS	D101614ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	112%		
D101614ALCS	D101614ALCS	ORG 127-18-4	Tetrachloroethene	44		ug/L	1	0.49	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	88%		
D101614ALCS	D101614ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	92%		
D101614ALCS	D101614ALCS	ORG 124-48-1	Dibromochloromethane	53		ug/L	5	0.30	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	106%		
D101614ALCS	D101614ALCS	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	102%		
D101614ALCS	D101614ALCS	ORG 591-78-6	2-Hexanone	80		ug/L	2	0.69	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	160%		
D101614ALCS	D101614ALCS	ORG 100-41-4	Ethylbenzene	52		ug/L	1	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	104%		
D101614ALCS	D101614ALCS	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	92%		
D101614ALCS	D101614ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	100%		
D101614ALCS	D101614ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	100	110%		
D101614ALCS	D101614ALCS	ORG 95-47-6	o-Xylene	55		ug/L	1	0.13	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	110%		
D101614ALCS	D101614ALCS	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	98%		
D101614ALCS	D101614ALCS	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	108%		
D101614ALCS	D101614ALCS	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	104%		
D101614ALCS	D101614ALCS	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	108%		
D101614ALCS	D101614ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	94%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101614ALCS	D101614ALCS	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	92%		
D101614ALCS	D101614ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	55		ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	110%		
D101614ALCS	D101614ALCS	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	104%		
D101614ALCS	D101614ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	100%		
D101614ALCS	D101614ALCS	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	102%		
D101614ALCS	D101614ALCS	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	100%		
D101614ALCS	D101614ALCS	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	102%		
D101614ALCS	D101614ALCS	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	94%		
D101614ALCS	D101614ALCS	ORG 95-50-1	1,2-Dichlorobenzene	49		ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	98%		
D101614ALCS	D101614ALCS	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	110%		
D101614ALCS	D101614ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	55		ug/L	5	1.59	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	110%		
D101614ALCS	D101614ALCS	ORG 87-68-3	Hexachlorobutadiene	56		ug/L	5	0.65	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	112%		
D101614ALCS	D101614ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	100%		
D101614ALCS	D101614ALCS	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	96%		
D101614ALCS	D101614ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	54		ug/L	5	0.23	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	108%		
D101614ALCS	D101614ALCS	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	100%		
D101614ALCS	D101614ALCS	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	102%		
D101614ALCS	D101614ALCS	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	98%		
D101614ALCS	D101614ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4979	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101614ALCD	D101614ALCD	ORG 75-71-8	Dichlorodifluoromethane	39		ug/L	5	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	78%	3%	
D101614ALCD	D101614ALCD	ORG 74-87-3	Chloromethane	39		ug/L	5	0.43	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	78%	7%	
D101614ALCD	D101614ALCD	ORG 75-01-4	Vinyl chloride	38		ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	76%	0%	
D101614ALCD	D101614ALCD	ORG 74-83-9	Bromomethane	53		ug/L	5	0.50	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	106%	8%	
D101614ALCD	D101614ALCD	ORG 75-00-3	Chloroethane	53		ug/L	5	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	106%	14%	
D101614ALCD	D101614ALCD	ORG 75-69-4	Trichlorofluoromethane	88		ug/L	5	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	176%	41%	
D101614ALCD	D101614ALCD	ORG 75-35-4	1,1-Dichloroethene	47		ug/L	1	0.47	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	94%	2%	
D101614ALCD	D101614ALCD	ORG 75-09-2	Methylene chloride	48		ug/L	5	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	96%	0%	
D101614ALCD	D101614ALCD	ORG 67-64-1	Acetone	68		ug/L	10	1.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	136%	23%	
D101614ALCD	D101614ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	90%	0%	
D101614ALCD	D101614ALCD	ORG 1634-04-4	MTBE	50		ug/L	5	0.61	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	100%	4%	
D101614ALCD	D101614ALCD	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	94%	0%	
D101614ALCD	D101614ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	96%	0%	
D101614ALCD	D101614ALCD	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	92%	2%	
D101614ALCD	D101614ALCD	ORG 67-66-3	Chloroform	48		ug/L	2	0.16	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	96%	2%	
D101614ALCD	D101614ALCD	ORG 71-55-6	1,1,1-Trichloroethane	52		ug/L	1	0.17	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	104%	4%	
D101614ALCD	D101614ALCD	ORG 78-93-3	2-Butanone	51		ug/L	1	0.81	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	102%	6%	
D101614ALCD	D101614ALCD	ORG 56-23-5	Carbon tetrachloride	54		ug/L	1	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	108%	2%	
D101614ALCD	D101614ALCD	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	98%	0%	
D101614ALCD	D101614ALCD	ORG 107-06-2	1,2-Dichloroethane	51		ug/L	1	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	102%	4%	
D101614ALCD	D101614ALCD	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	100%	4%	
D101614ALCD	D101614ALCD	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	96%	2%	
D101614ALCD	D101614ALCD	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	100%	0%	
D101614ALCD	D101614ALCD	ORG 75-27-4	Bromodichloromethane	52		ug/L	2	0.12	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	104%	4%	
D101614ALCD	D101614ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	108%	4%	
D101614ALCD	D101614ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	94%	2%	
D101614ALCD	D101614ALCD	ORG 108-10-1	4-Methyl-2-pentanone	50		ug/L	5	0.74	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	100%	11%	
D101614ALCD	D101614ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	58		ug/L	1	0.31	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	116%	4%	
D101614ALCD	D101614ALCD	ORG 127-18-4	Tetrachloroethene	43		ug/L	1	0.49	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	86%	2%	
D101614ALCD	D101614ALCD	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	90%	2%	
D101614ALCD	D101614ALCD	ORG 124-48-1	Dibromochloromethane	54		ug/L	5	0.30	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	108%	2%	
D101614ALCD	D101614ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	100%	2%	
D101614ALCD	D101614ALCD	ORG 591-78-6	2-Hexanone	67		ug/L	2	0.69	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	134%	18%	
D101614ALCD	D101614ALCD	ORG 100-41-4	Ethylbenzene	56		ug/L	1	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	112%	7%	
D101614ALCD	D101614ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	98%	6%	
D101614ALCD	D101614ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	54		ug/L	2	0.19	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	108%	8%	
D101614ALCD	D101614ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	100	110%	0%	
D101614ALCD	D101614ALCD	ORG 95-47-6	o-Xylene	58		ug/L	1	0.13	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	116%	5%	
D101614ALCD	D101614ALCD	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	102%	4%	
D101614ALCD	D101614ALCD	ORG 75-25-2	Bromoform	55		ug/L	2	0.47	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	110%	2%	
D101614ALCD	D101614ALCD	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	110%	6%	
D101614ALCD	D101614ALCD	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	116%	7%	
D101614ALCD	D101614ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	94%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101614ALCD	D101614ALCD	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	94%	2%	
D101614ALCD	D101614ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	58		ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	116%	5%	
D101614ALCD	D101614ALCD	ORG 98-06-6	tert-Butylbenzene	57		ug/L	2	0.33	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	114%	9%	
D101614ALCD	D101614ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	106%	6%	
D101614ALCD	D101614ALCD	ORG 135-98-8	sec-Butylbenzene	55		ug/L	2	0.32	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	110%	8%	
D101614ALCD	D101614ALCD	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	106%	6%	
D101614ALCD	D101614ALCD	ORG 99-87-6	p-Isopropyltoluene	54		ug/L	2	0.25	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	108%	6%	
D101614ALCD	D101614ALCD	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	98%	4%	
D101614ALCD	D101614ALCD	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	104%	6%	
D101614ALCD	D101614ALCD	ORG 104-51-8	n-Butylbenzene	59		ug/L	5	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	118%	7%	
D101614ALCD	D101614ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	49		ug/L	5	1.59	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	98%	12%	
D101614ALCD	D101614ALCD	ORG 87-68-3	Hexachlorobutadiene	61		ug/L	5	0.65	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	122%	9%	
D101614ALCD	D101614ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	51		ug/L	5	0.28	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	102%	2%	
D101614ALCD	D101614ALCD	ORG 91-20-3	Naphthalene	45		ug/L	5	0.56	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	90%	6%	
D101614ALCD	D101614ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	54		ug/L	5	0.23	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	108%	0%	
D101614ALCD	D101614ALCD	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	102%	2%	
D101614ALCD	D101614ALCD	STD 17060-07-0	1,2-Dichloroethane d4	53		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	106%	4%	
D101614ALCD	D101614ALCD	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	98%	0%	
D101614ALCD	D101614ALCD	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/16/2014	10/16/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4983	50	106%	2%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1715MS	T1-038	ORG 75-71-8	Dichlorodifluoromethane	3900		ug/L	500	29.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	78%		
NAL13026-1715MS	T1-038	ORG 74-87-3	Chloromethane	4200		ug/L	500	43.07	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	84%		
NAL13026-1715MS	T1-038	ORG 75-01-4	Vinyl chloride	3900		ug/L	200	31.86	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	78%		
NAL13026-1715MS	T1-038	ORG 74-83-9	Bromomethane	4900		ug/L	500	50.04	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	98%		
NAL13026-1715MS	T1-038	ORG 75-00-3	Chloroethane	5300		ug/L	500	55.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	106%		
NAL13026-1715MS	T1-038	ORG 75-69-4	Trichlorofluoromethane	6900		ug/L	500	19.65	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	138%		
NAL13026-1715MS	T1-038	ORG 75-35-4	1,1-Dichloroethene	5000		ug/L	100	47.11	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	100%		
NAL13026-1715MS	T1-038	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	90%		
NAL13026-1715MS	T1-038	ORG 67-64-1	Acetone	93000		ug/L	1000	155.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	-20%		94000
NAL13026-1715MS	T1-038	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	90%		
NAL13026-1715MS	T1-038	ORG 1634-04-4	MTBE	5100		ug/L	500	61.18	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	102%		
NAL13026-1715MS	T1-038	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	92%		
NAL13026-1715MS	T1-038	ORG 156-59-2	cis-1,2-Dichloroethene	4900		ug/L	100	32.11	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	98%		
NAL13026-1715MS	T1-038	ORG 74-97-5	Bromochloromethane	4500		ug/L	1000	41.37	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	90%		
NAL13026-1715MS	T1-038	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	94%		
NAL13026-1715MS	T1-038	ORG 71-55-6	1,1,1-Trichloroethane	5200		ug/L	100	16.65	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	104%		
NAL13026-1715MS	T1-038	ORG 78-93-3	2-Butanone	21000		ug/L	100	81.18	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	160%		13000
NAL13026-1715MS	T1-038	ORG 56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	102%		
NAL13026-1715MS	T1-038	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	96%		
NAL13026-1715MS	T1-038	ORG 107-06-2	1,2-Dichloroethane	5100		ug/L	100	20.01	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	102%		
NAL13026-1715MS	T1-038	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	96%		
NAL13026-1715MS	T1-038	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	100%		
NAL13026-1715MS	T1-038	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	100%		
NAL13026-1715MS	T1-038	ORG 75-27-4	Bromodichloromethane	5100		ug/L	200	11.58	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	102%		
NAL13026-1715MS	T1-038	ORG 10061-01-5	cis-1,3-Dichloropropene	5300		ug/L	100	25.01	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	106%		
NAL13026-1715MS	T1-038	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	92%		
NAL13026-1715MS	T1-038	ORG 108-10-1	4-Methyl-2-pentanone	6000		ug/L	500	74.00	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	114%		280
NAL13026-1715MS	T1-038	ORG 10061-02-6	trans-1,3-Dichloropropene	5700		ug/L	100	31.15	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	114%		
NAL13026-1715MS	T1-038	ORG 127-18-4	Tetrachloroethene	4300		ug/L	100	48.56	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	86%		
NAL13026-1715MS	T1-038	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	92%		
NAL13026-1715MS	T1-038	ORG 124-48-1	Dibromochloromethane	5200		ug/L	500	29.90	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	104%		
NAL13026-1715MS	T1-038	ORG 106-93-4	1,2-Dibromoethane	5100		ug/L	200	26.49	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	102%		
NAL13026-1715MS	T1-038	ORG 591-78-6	2-Hexanone	6700		ug/L	200	68.90	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	134%		
NAL13026-1715MS	T1-038	ORG 100-41-4	Ethylbenzene	5300		ug/L	100	25.38	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	106%		
NAL13026-1715MS	T1-038	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	94%		
NAL13026-1715MS	T1-038	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	100%		
NAL13026-1715MS	T1-038	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	10000	110%		
NAL13026-1715MS	T1-038	ORG 95-47-6	o-Xylene	5700		ug/L	100	12.90	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	114%		
NAL13026-1715MS	T1-038	ORG 100-42-5	Styrene	5000		ug/L	100	20.23	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	100%		
NAL13026-1715MS	T1-038	ORG 75-25-2	Bromoform	5300		ug/L	200	46.83	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	106%		
NAL13026-1715MS	T1-038	ORG 98-82-8	Isopropylbenzene	5300		ug/L	200	20.48	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	106%		
NAL13026-1715MS	T1-038	ORG 103-65-1	n-Propylbenzene	5500		ug/L	200	27.00	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	110%		
NAL13026-1715MS	T1-038	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1715MS	T1-038	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	96%		
NAL13026-1715MS	T1-038	ORG 108-67-8	1,3,5-Trimethylbenzene	5500		ug/L	200	20.03	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	110%		
NAL13026-1715MS	T1-038	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	106%		
NAL13026-1715MS	T1-038	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	104%		
NAL13026-1715MS	T1-038	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	104%		
NAL13026-1715MS	T1-038	ORG 541-73-1	1,3-Dichlorobenzene	5100		ug/L	200	22.21	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	102%		
NAL13026-1715MS	T1-038	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	99%		350
NAL13026-1715MS	T1-038	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	97%		69
NAL13026-1715MS	T1-038	ORG 95-50-1	1,2-Dichlorobenzene	5100		ug/L	200	26.38	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	102%		
NAL13026-1715MS	T1-038	ORG 104-51-8	n-Butylbenzene	5700		ug/L	500	27.81	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	114%		
NAL13026-1715MS	T1-038	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5900		ug/L	500	159.11	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	118%		
NAL13026-1715MS	T1-038	ORG 87-68-3	Hexachlorobutadiene	5800		ug/L	500	65.42	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	116%		
NAL13026-1715MS	T1-038	ORG 120-82-1	1,2,4-Trichlorobenzene	5300		ug/L	500	27.63	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	106%		
NAL13026-1715MS	T1-038	ORG 91-20-3	Naphthalene	5500		ug/L	500	56.04	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	104%		300
NAL13026-1715MS	T1-038	ORG 87-61-6	1,2,3-Trichlorobenzene	5500		ug/L	500	23.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	5000	110%		
NAL13026-1715MS	T1-038	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	50	100%		
NAL13026-1715MS	T1-038	STD 17060-07-0	1,2-Dichloroethane d4	52		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	50	104%		
NAL13026-1715MS	T1-038	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	50	96%		
NAL13026-1715MS	T1-038	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4984	50	108%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1715MSD	T1-038	ORG 75-71-8	Dichlorodifluoromethane	3700		ug/L	500	29.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	74%	5%	
NAL13026-1715MSD	T1-038	ORG 74-87-3	Chloromethane	4100		ug/L	500	43.07	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	82%	2%	
NAL13026-1715MSD	T1-038	ORG 75-01-4	Vinyl chloride	3500		ug/L	200	31.86	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	70%	11%	
NAL13026-1715MSD	T1-038	ORG 74-83-9	Bromomethane	4400		ug/L	500	50.04	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	88%	11%	
NAL13026-1715MSD	T1-038	ORG 75-00-3	Chloroethane	4700		ug/L	500	55.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	94%	12%	
NAL13026-1715MSD	T1-038	ORG 75-69-4	Trichlorofluoromethane	5900		ug/L	500	19.65	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	118%	16%	
NAL13026-1715MSD	T1-038	ORG 75-35-4	1,1-Dichloroethene	6100		ug/L	100	47.11	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	122%	20%	
NAL13026-1715MSD	T1-038	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	90%	0%	
NAL13026-1715MSD	T1-038	ORG 67-64-1	Acetone	88000		ug/L	1000	155.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	-120%	6%	94000
NAL13026-1715MSD	T1-038	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	90%	0%	
NAL13026-1715MSD	T1-038	ORG 1634-04-4	MTBE	5200		ug/L	500	61.18	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	104%	2%	
NAL13026-1715MSD	T1-038	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	92%	0%	
NAL13026-1715MSD	T1-038	ORG 156-59-2	cis-1,2-Dichloroethene	4700		ug/L	100	32.11	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	94%	4%	
NAL13026-1715MSD	T1-038	ORG 74-97-5	Bromochloromethane	4500		ug/L	1000	41.37	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	90%	0%	
NAL13026-1715MSD	T1-038	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	94%	0%	
NAL13026-1715MSD	T1-038	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	98%	6%	
NAL13026-1715MSD	T1-038	ORG 78-93-3	2-Butanone	20000		ug/L	100	81.18	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	140%	5%	13000
NAL13026-1715MSD	T1-038	ORG 56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	102%	0%	
NAL13026-1715MSD	T1-038	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	96%	0%	
NAL13026-1715MSD	T1-038	ORG 107-06-2	1,2-Dichloroethane	4900		ug/L	100	20.01	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	98%	4%	
NAL13026-1715MSD	T1-038	ORG 79-01-6	Trichloroethene	4700		ug/L	100	36.33	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	94%	2%	
NAL13026-1715MSD	T1-038	ORG 74-95-3	Dibromomethane	4900		ug/L	200	32.20	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	98%	2%	
NAL13026-1715MSD	T1-038	ORG 78-87-5	1,2-Dichloropropane	5100		ug/L	100	18.17	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	102%	2%	
NAL13026-1715MSD	T1-038	ORG 75-27-4	Bromodichloromethane	5100		ug/L	200	11.58	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	102%	0%	
NAL13026-1715MSD	T1-038	ORG 10061-01-5	cis-1,3-Dichloropropene	5400		ug/L	100	25.01	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	108%	2%	
NAL13026-1715MSD	T1-038	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	92%	0%	
NAL13026-1715MSD	T1-038	ORG 108-10-1	4-Methyl-2-pentanone	5500		ug/L	500	74.00	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	104%	9%	280
NAL13026-1715MSD	T1-038	ORG 10061-02-6	trans-1,3-Dichloropropene	5700		ug/L	100	31.15	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	114%	0%	
NAL13026-1715MSD	T1-038	ORG 127-18-4	Tetrachloroethene	4400		ug/L	100	48.56	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	88%	2%	
NAL13026-1715MSD	T1-038	ORG 79-00-5	1,1,2-Trichloroethane	4400		ug/L	100	34.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	88%	4%	
NAL13026-1715MSD	T1-038	ORG 124-48-1	Dibromochloromethane	5200		ug/L	500	29.90	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	104%	0%	
NAL13026-1715MSD	T1-038	ORG 106-93-4	1,2-Dibromoethane	5000		ug/L	200	26.49	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	100%	2%	
NAL13026-1715MSD	T1-038	ORG 591-78-6	2-Hexanone	5500		ug/L	200	68.90	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	110%	20%	
NAL13026-1715MSD	T1-038	ORG 100-41-4	Ethylbenzene	5300		ug/L	100	25.38	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	106%	0%	
NAL13026-1715MSD	T1-038	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	94%	0%	
NAL13026-1715MSD	T1-038	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	100%	0%	
NAL13026-1715MSD	T1-038	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	10000	110%	0%	
NAL13026-1715MSD	T1-038	ORG 95-47-6	o-Xylene	5700		ug/L	100	12.90	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	114%	0%	
NAL13026-1715MSD	T1-038	ORG 100-42-5	Styrene	5000		ug/L	100	20.23	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	100%	0%	
NAL13026-1715MSD	T1-038	ORG 75-25-2	Bromoform	5300		ug/L	200	46.83	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	106%	0%	
NAL13026-1715MSD	T1-038	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	104%	2%	
NAL13026-1715MSD	T1-038	ORG 103-65-1	n-Propylbenzene	5500		ug/L	200	27.00	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	110%	0%	
NAL13026-1715MSD	T1-038	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29.16	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	92%	4%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1715MSD	T1-038	ORG 96-18-4	1,2,3-Trichloropropane	4500		ug/L	200	29.47	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	90%	6%	
NAL13026-1715MSD	T1-038	ORG 108-67-8	1,3,5-Trimethylbenzene	5500		ug/L	200	20.03	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	110%	0%	
NAL13026-1715MSD	T1-038	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	106%	0%	
NAL13026-1715MSD	T1-038	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	102%	2%	
NAL13026-1715MSD	T1-038	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	104%	0%	
NAL13026-1715MSD	T1-038	ORG 541-73-1	1,3-Dichlorobenzene	5000		ug/L	200	22.21	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	100%	2%	
NAL13026-1715MSD	T1-038	ORG 99-87-6	p-Isopropyltoluene	5200		ug/L	200	25.48	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	97%	2%	350
NAL13026-1715MSD	T1-038	ORG 106-46-7	1,4-Dichlorobenzene	4700		ug/L	200	33.03	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	93%	4%	69
NAL13026-1715MSD	T1-038	ORG 95-50-1	1,2-Dichlorobenzene	5100		ug/L	200	26.38	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	102%	0%	
NAL13026-1715MSD	T1-038	ORG 104-51-8	n-Butylbenzene	5700		ug/L	500	27.81	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	114%	0%	
NAL13026-1715MSD	T1-038	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5700		ug/L	500	159.11	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	114%	3%	
NAL13026-1715MSD	T1-038	ORG 87-68-3	Hexachlorobutadiene	5800		ug/L	500	65.42	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	116%	0%	
NAL13026-1715MSD	T1-038	ORG 120-82-1	1,2,4-Trichlorobenzene	5300		ug/L	500	27.63	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	106%	0%	
NAL13026-1715MSD	T1-038	ORG 91-20-3	Naphthalene	5400		ug/L	500	56.04	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	102%	2%	300
NAL13026-1715MSD	T1-038	ORG 87-61-6	1,2,3-Trichlorobenzene	5600		ug/L	500	23.28	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	5000	112%	2%	
NAL13026-1715MSD	T1-038	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	50	98%	2%	
NAL13026-1715MSD	T1-038	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	50	100%	4%	
NAL13026-1715MSD	T1-038	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	50	98%	2%	
NAL13026-1715MSD	T1-038	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/16/2014	10/16/2014	10/16/2014	WG	100	NA	5.0	NA	SW8260B	NALD4985	50	106%	2%	

October 20, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

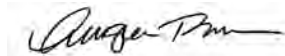
RE: Project: BRIDGETON LF T1-033
Pace Project No.: 60180186

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180186001	T1-033	Water	10/11/14 16:00	10/13/14 13:50
60180186002	TRIP BLANK	Water	10/11/14 08:00	10/13/14 13:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180186001	T1-033	EPA 200.7	JGP	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180186002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

Sample: T1-033		Lab ID: 60180186001	Collected: 10/11/14 16:00	Received: 10/13/14 13:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	4670	ug/L	375	1	10/15/14 16:00	10/16/14 13:21	7429-90-5	
Antimony	ND	ug/L	50.0	1	10/15/14 16:00	10/16/14 13:21	7440-36-0	
Arsenic	435	ug/L	50.0	1	10/15/14 16:00	10/16/14 13:21	7440-38-2	
Beryllium	ND	ug/L	5.0	1	10/15/14 16:00	10/16/14 13:21	7440-41-7	
Cadmium	ND	ug/L	25.0	1	10/15/14 16:00	10/16/14 13:21	7440-43-9	
Chromium	140	ug/L	25.0	1	10/15/14 16:00	10/16/14 13:21	7440-47-3	
Cobalt	ND	ug/L	25.0	1	10/15/14 16:00	10/16/14 13:21	7440-48-4	
Copper	ND	ug/L	50.0	1	10/15/14 16:00	10/16/14 13:21	7440-50-8	
Iron	380000	ug/L	250	1	10/15/14 16:00	10/16/14 13:21	7439-89-6	M1,R1
Lead	83.2	ug/L	25.0	1	10/15/14 16:00	10/16/14 13:21	7439-92-1	
Nickel	85.2	ug/L	25.0	1	10/15/14 16:00	10/16/14 13:21	7440-02-0	
Selenium	ND	ug/L	75.0	1	10/15/14 16:00	10/16/14 13:21	7782-49-2	
Silver	ND	ug/L	35.0	1	10/15/14 16:00	10/16/14 13:21	7440-22-4	
Thallium	ND	ug/L	100	1	10/15/14 16:00	10/16/14 13:21	7440-28-0	
Zinc	3980	ug/L	250	1	10/15/14 16:00	10/16/14 13:21	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND	ug/L	375	1	10/15/14 16:00	10/16/14 12:59	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	10/15/14 16:00	10/16/14 12:59	7440-36-0	
Arsenic, Dissolved	207	ug/L	50.0	1	10/15/14 16:00	10/16/14 12:59	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	10/15/14 16:00	10/16/14 12:59	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	10/15/14 16:00	10/16/14 12:59	7440-43-9	
Chromium, Dissolved	61.6	ug/L	25.0	1	10/15/14 16:00	10/16/14 12:59	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	10/15/14 16:00	10/16/14 12:59	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	10/15/14 16:00	10/16/14 12:59	7440-50-8	
Iron, Dissolved	57400	ug/L	250	1	10/15/14 16:00	10/16/14 12:59	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	10/15/14 16:00	10/16/14 12:59	7439-92-1	
Nickel, Dissolved	53.8	ug/L	25.0	1	10/15/14 16:00	10/16/14 12:59	7440-02-0	
Selenium, Dissolved	ND	ug/L	75.0	1	10/15/14 16:00	10/16/14 12:59	7782-49-2	
Silver, Dissolved	ND	ug/L	35.0	1	10/15/14 16:00	10/16/14 12:59	7440-22-4	
Thallium, Dissolved	ND	ug/L	100	1	10/15/14 16:00	10/16/14 12:59	7440-28-0	
Zinc, Dissolved	ND	ug/L	250	1	10/15/14 16:00	10/16/14 12:59	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	6.0	1	10/16/14 14:45	10/17/14 09:15	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	10/15/14 16:30	10/16/14 10:04	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	2500	1	10/14/14 00:00	10/15/14 16:08	534-52-1	
Hexachloro-1,3-butadiene	ND	ug/L	500	1	10/14/14 00:00	10/15/14 16:08	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	500	1	10/14/14 00:00	10/15/14 16:08	77-47-4	
Hexachloroethane	ND	ug/L	500	1	10/14/14 00:00	10/15/14 16:08	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1000	1	10/14/14 00:00	10/15/14 16:08	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2020	ug/L	2000	1	10/14/14 00:00	10/15/14 16:08		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

Sample: T1-033	Lab ID: 60180186001	Collected: 10/11/14 16:00	Received: 10/13/14 13:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:08	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:08	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:08	87-86-5	
Phenol	3140 ug/L		500	1	10/14/14 00:00	10/15/14 16:08	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:08	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:08	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	85 %		33-120	1	10/14/14 00:00	10/15/14 16:08	4165-60-0	
2-Fluorobiphenyl (S)	76 %		39-120	1	10/14/14 00:00	10/15/14 16:08	321-60-8	
Terphenyl-d14 (S)	82 %		45-120	1	10/14/14 00:00	10/15/14 16:08	1718-51-0	
Phenol-d6 (S)	31 %		11-120	1	10/14/14 00:00	10/15/14 16:08	13127-88-3	
2-Fluorophenol (S)	42 %		17-120	1	10/14/14 00:00	10/15/14 16:08	367-12-4	
2,4,6-Tribromophenol (S)	84 %		39-120	1	10/14/14 00:00	10/15/14 16:08	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	47200 ug/L		1000	100		10/14/14 14:44	67-64-1	N2
Benzene	ND ug/L		100	100		10/14/14 14:44	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/14/14 14:44	75-27-4	
Bromoform	ND ug/L		100	100		10/14/14 14:44	75-25-2	
Bromomethane	ND ug/L		500	100		10/14/14 14:44	74-83-9	
2-Butanone (MEK)	22300 ug/L		1000	100		10/14/14 14:44	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/14/14 14:44	56-23-5	
Chloroethane	ND ug/L		100	100		10/14/14 14:44	75-00-3	
Chloroform	ND ug/L		100	100		10/14/14 14:44	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/14/14 14:44	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/14/14 14:44	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/14/14 14:44	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/14/14 14:44	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/14/14 14:44	100-41-4	
Methylene chloride	101 ug/L		100	100		10/14/14 14:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/14/14 14:44	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/14/14 14:44	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/14/14 14:44	127-18-4	
Toluene	ND ug/L		100	100		10/14/14 14:44	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/14/14 14:44	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/14/14 14:44	79-00-5	
Trichloroethene	ND ug/L		100	100		10/14/14 14:44	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/14/14 14:44	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/14/14 14:44	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	106 %		80-120	100		10/14/14 14:44	460-00-4	
Toluene-d8 (S)	98 %		80-120	100		10/14/14 14:44	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	100		10/14/14 14:44	17060-07-0	
Preservation pH	6.0		1.0	100		10/14/14 14:44		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	96.8 mg/L		5.0	1		10/14/14 16:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

Sample: T1-033		Lab ID: 60180186001	Collected: 10/11/14 16:00	Received: 10/13/14 13:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	6.0	mg/L	5.0	1		10/14/14 16:19		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3860	mg/L	5.0	1		10/16/14 11:11		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.3	Std. Units	0.10	1		10/14/14 14:00		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	9570	mg/L	2.0	1	10/13/14 15:50	10/18/14 10:39		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	170	mg/L	10.0	100		10/17/14 15:36	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	18700	mg/L	2500	250		10/15/14 08:58		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

Sample: TRIP BLANK		Lab ID: 60180186002	Collected: 10/11/14 08:00	Received: 10/13/14 13:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/14/14 13:47	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/14/14 13:47	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/14/14 13:47	75-27-4	
Bromoform	ND ug/L		1.0	1		10/14/14 13:47	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/14/14 13:47	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/14/14 13:47	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/14/14 13:47	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/14/14 13:47	75-00-3	
Chloroform	ND ug/L		1.0	1		10/14/14 13:47	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/14/14 13:47	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/14/14 13:47	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/14/14 13:47	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/14/14 13:47	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/14/14 13:47	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/14/14 13:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/14/14 13:47	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/14/14 13:47	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/14/14 13:47	127-18-4	
Toluene	ND ug/L		1.0	1		10/14/14 13:47	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/14/14 13:47	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/14/14 13:47	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/14/14 13:47	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/14/14 13:47	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/14/14 13:47	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	108 %		80-120	1		10/14/14 13:47	460-00-4	
Toluene-d8 (S)	98 %		80-120	1		10/14/14 13:47	2037-26-5	
1,2-Dichloroethane-d4 (S)	99 %		80-120	1		10/14/14 13:47	17060-07-0	
Preservation pH	6.0		1.0	1		10/14/14 13:47		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch: MERP/8921

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60180186001

METHOD BLANK: 1461442

Matrix: Water

Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/17/14 09:10	

LABORATORY CONTROL SAMPLE: 1461443

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461444 1461445

Parameter	Units	60180186001		1461444		1461445		% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Mercury	ug/L	ND	150	150	87.6	84.0	58	56	70-130	4	20 M1

MATRIX SPIKE SAMPLE: 1461446

Parameter	Units	60180187001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	95.1	62	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch:	MERP/8917	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60180186001		

METHOD BLANK: 1460680 Matrix: Water
Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/16/14 09:51	

LABORATORY CONTROL SAMPLE: 1460681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460682 1460683

Parameter	Units	60179932001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury, Dissolved	ug/L	ND	150	150	95.7	103	64	68	70-130	7	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch:	MPRP/29334	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	60180186001		

METHOD BLANK: 1460751 Matrix: Water

Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/16/14 13:15	
Antimony	ug/L	ND	10.0	10/16/14 13:15	
Arsenic	ug/L	ND	10.0	10/16/14 13:15	
Beryllium	ug/L	ND	1.0	10/16/14 13:15	
Cadmium	ug/L	ND	5.0	10/16/14 13:15	
Chromium	ug/L	ND	5.0	10/16/14 13:15	
Cobalt	ug/L	ND	5.0	10/16/14 13:15	
Copper	ug/L	ND	10.0	10/16/14 13:15	
Iron	ug/L	ND	50.0	10/16/14 13:15	
Lead	ug/L	ND	5.0	10/16/14 13:15	
Nickel	ug/L	ND	5.0	10/16/14 13:15	
Selenium	ug/L	ND	15.0	10/16/14 13:15	
Silver	ug/L	ND	7.0	10/16/14 13:15	
Thallium	ug/L	ND	20.0	10/16/14 13:15	
Zinc	ug/L	ND	50.0	10/16/14 13:15	

LABORATORY CONTROL SAMPLE: 1460752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9880	99	85-115	
Antimony	ug/L	1000	999	100	85-115	
Arsenic	ug/L	1000	956	96	85-115	
Beryllium	ug/L	1000	966	97	85-115	
Cadmium	ug/L	1000	981	98	85-115	
Chromium	ug/L	1000	967	97	85-115	
Cobalt	ug/L	1000	1000	100	85-115	
Copper	ug/L	1000	979	98	85-115	
Iron	ug/L	10000	9520	95	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1010	101	85-115	
Selenium	ug/L	1000	971	97	85-115	
Silver	ug/L	500	482	96	85-115	
Thallium	ug/L	1000	1020	102	85-115	
Zinc	ug/L	1000	972	97	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460753												1460754											
Parameter	Units	60180186001		MS	MSD	MS		MSD		% Rec		Max		Qual									
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD												
Aluminum	ug/L	4670	50000	50000	56000	55800	103	102	70-130	1	8												
Antimony	ug/L	ND	5000	5000	5040	5120	101	102	70-130	1	7												
Arsenic	ug/L	435	5000	5000	5540	5500	102	101	70-130	1	10												
Beryllium	ug/L	ND	5000	5000	4830	4820	97	96	70-130	0	7												
Cadmium	ug/L	ND	5000	5000	5040	5040	101	101	70-130	0	10												
Chromium	ug/L	140	5000	5000	4890	4880	95	95	70-130	0	10												
Cobalt	ug/L	ND	5000	5000	4750	4760	95	95	70-130	0	6												
Copper	ug/L	ND	5000	5000	4940	4960	99	99	70-130	0	11												
Iron	ug/L	380000	50000	50000	402000	342000	44	-76	70-130	16	10	M1, R1											
Lead	ug/L	83.2	5000	5000	4620	4650	91	91	70-130	1	10												
Nickel	ug/L	85.2	5000	5000	4790	4810	94	94	70-130	0	10												
Selenium	ug/L	ND	5000	5000	5260	5260	105	105	70-130	0	10												
Silver	ug/L	ND	2500	2500	2450	2540	98	101	70-130	4	10												
Thallium	ug/L	ND	5000	5000	4400	4420	87	87	70-130	0	6												
Zinc	ug/L	3980	5000	5000	8540	8210	91	85	70-130	4	11												

MATRIX SPIKE SAMPLE: 1460755											
Parameter	Units	60180187001		Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers			
		Result	Spike Conc.								
Aluminum	ug/L		3280	50000	54000	101	70-130				
Antimony	ug/L		ND	5000	5220	104	70-130				
Arsenic	ug/L		396	5000	5480	102	70-130				
Beryllium	ug/L		ND	5000	4760	95	70-130				
Cadmium	ug/L		ND	5000	5120	102	70-130				
Chromium	ug/L		121	5000	4970	97	70-130				
Cobalt	ug/L		ND	5000	4900	98	70-130				
Copper	ug/L		ND	5000	5060	101	70-130				
Iron	ug/L		245000	50000	221000	-49	70-130	M1			
Lead	ug/L		50.2	5000	4720	93	70-130				
Nickel	ug/L		88.9	5000	4900	96	70-130				
Selenium	ug/L		ND	5000	5280	105	70-130				
Silver	ug/L		ND	2500	2580	103	70-130				
Thallium	ug/L		ND	5000	4540	90	70-130				
Zinc	ug/L		3350	5000	7180	77	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch: MPRP/29335

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180186001

METHOD BLANK: 1460761

Matrix: Water

Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/16/14 12:48	
Antimony, Dissolved	ug/L	ND	10.0	10/16/14 12:48	
Arsenic, Dissolved	ug/L	ND	10.0	10/16/14 12:48	
Beryllium, Dissolved	ug/L	ND	1.0	10/16/14 12:48	
Cadmium, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Chromium, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Cobalt, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Copper, Dissolved	ug/L	ND	10.0	10/16/14 12:48	
Iron, Dissolved	ug/L	ND	50.0	10/16/14 12:48	
Lead, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Nickel, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Selenium, Dissolved	ug/L	ND	15.0	10/16/14 12:48	
Silver, Dissolved	ug/L	ND	7.0	10/16/14 12:48	
Thallium, Dissolved	ug/L	ND	20.0	10/16/14 12:48	
Zinc, Dissolved	ug/L	ND	50.0	10/16/14 12:48	

LABORATORY CONTROL SAMPLE: 1460762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10000	100	85-115	
Antimony, Dissolved	ug/L	1000	1010	101	85-115	
Arsenic, Dissolved	ug/L	1000	948	95	85-115	
Beryllium, Dissolved	ug/L	1000	1010	101	85-115	
Cadmium, Dissolved	ug/L	1000	977	98	85-115	
Chromium, Dissolved	ug/L	1000	1010	101	85-115	
Cobalt, Dissolved	ug/L	1000	1000	100	85-115	
Copper, Dissolved	ug/L	1000	1000	100	85-115	
Iron, Dissolved	ug/L	10000	9940	99	85-115	
Lead, Dissolved	ug/L	1000	998	100	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	989	99	85-115	
Silver, Dissolved	ug/L	500	501	100	85-115	
Thallium, Dissolved	ug/L	1000	977	98	85-115	
Zinc, Dissolved	ug/L	1000	964	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460763		1460764		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		60180063001 Result	MS Spike Conc.	MSD Spike Conc.									
Aluminum, Dissolved	ug/L	ND	50000	50000	51500	50800	102	101	70-130	1	8		
Antimony, Dissolved	ug/L	ND	5000	5000	5320	5280	106	105	70-130	1	7		
Arsenic, Dissolved	ug/L	239	5000	5000	5370	5340	103	102	70-130	1	10		
Beryllium, Dissolved	ug/L	ND	5000	5000	5020	4970	100	99	70-130	1	7		
Cadmium, Dissolved	ug/L	ND	5000	5000	5120	5100	102	102	70-130	1	10		
Chromium, Dissolved	ug/L	58.4	5000	5000	5040	4940	100	98	70-130	2	10		
Cobalt, Dissolved	ug/L	ND	5000	5000	4950	4890	99	98	70-130	1	6		
Copper, Dissolved	ug/L	ND	5000	5000	5320	5290	106	106	70-130	0	11		
Iron, Dissolved	ug/L	91200	50000	50000	140000	142000	97	102	70-130	2	10		
Lead, Dissolved	ug/L	ND	5000	5000	4860	4770	97	95	70-130	2	10		
Nickel, Dissolved	ug/L	50.2	5000	5000	5000	4940	99	98	70-130	1	10		
Selenium, Dissolved	ug/L	ND	5000	5000	5380	5350	108	107	70-130	0	10		
Silver, Dissolved	ug/L	ND	2500	2500	2620	2580	104	103	70-130	1	10		
Thallium, Dissolved	ug/L	ND	5000	5000	4560	4500	91	90	70-130	1	6		
Zinc, Dissolved	ug/L	296	5000	5000	4990	4920	94	92	70-130	1	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch: MSV/65060 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60180186001, 60180186002

METHOD BLANK: 1459758 Matrix: Water

Associated Lab Samples: 60180186001, 60180186002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/14/14 11:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/14/14 11:47	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/14/14 11:47	
1,2-Dichloroethane	ug/L	ND	1.0	10/14/14 11:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/14/14 11:47	
2-Butanone (MEK)	ug/L	ND	10.0	10/14/14 11:47	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/14/14 11:47	N2
Acetone	ug/L	ND	10.0	10/14/14 11:47	N2
Benzene	ug/L	ND	1.0	10/14/14 11:47	
Bromodichloromethane	ug/L	ND	1.0	10/14/14 11:47	
Bromoform	ug/L	ND	1.0	10/14/14 11:47	
Bromomethane	ug/L	ND	5.0	10/14/14 11:47	
Carbon tetrachloride	ug/L	ND	1.0	10/14/14 11:47	
Chloroethane	ug/L	ND	1.0	10/14/14 11:47	
Chloroform	ug/L	ND	1.0	10/14/14 11:47	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/14/14 11:47	N2
Ethylbenzene	ug/L	ND	1.0	10/14/14 11:47	
Methylene chloride	ug/L	ND	1.0	10/14/14 11:47	
Tetrachloroethene	ug/L	ND	1.0	10/14/14 11:47	
Toluene	ug/L	ND	1.0	10/14/14 11:47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/14/14 11:47	
Trichloroethene	ug/L	ND	1.0	10/14/14 11:47	
Vinyl chloride	ug/L	ND	1.0	10/14/14 11:47	
Xylene (Total)	ug/L	ND	3.0	10/14/14 11:47	N2
1,2-Dichloroethane-d4 (S)	%	103	80-120	10/14/14 11:47	
4-Bromofluorobenzene (S)	%	106	80-120	10/14/14 11:47	
Toluene-d8 (S)	%	94	80-120	10/14/14 11:47	

LABORATORY CONTROL SAMPLE: 1459759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.3	102	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	23.1	115	67-127	N2
1,1,2-Trichloroethane	ug/L	20	21.7	109	67-124	
1,2-Dichloroethane	ug/L	20	20.6	103	70-126	
1,4-Dichlorobenzene	ug/L	20	21.2	106	74-120	
2-Butanone (MEK)	ug/L	100	93.8	94	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.5	100	59-131	N2
Acetone	ug/L	100	90.6	91	38-134	N2
Benzene	ug/L	20	20.4	102	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

LABORATORY CONTROL SAMPLE: 1459759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.5	102	68-125	
Bromoform	ug/L	20	22.9	115	65-127	
Bromomethane	ug/L	20	12.6	63	13-157	
Carbon tetrachloride	ug/L	20	21.0	105	70-131	
Chloroethane	ug/L	20	26.0	130	47-133	
Chloroform	ug/L	20	20.4	102	65-127	
cis-1,2-Dichloroethene	ug/L	20	20.4	102	68-127	N2
Ethylbenzene	ug/L	20	21.1	106	74-122	
Methylene chloride	ug/L	20	20.9	104	64-129	
Tetrachloroethene	ug/L	20	22.1	111	73-125	
Toluene	ug/L	20	19.7	98	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.3	102	66-129	
Trichloroethene	ug/L	20	20.4	102	71-123	
Vinyl chloride	ug/L	20	19.8	99	43-129	
Xylene (Total)	ug/L	60	62.8	105	75-121	N2
1,2-Dichloroethane-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			105	80-120	
Toluene-d8 (S)	%			96	80-120	

MATRIX SPIKE SAMPLE: 1459760

Parameter	Units	60180063001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2080	104	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2230	111	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2040	102	52-143	
1,2-Dichloroethane	ug/L	ND	2000	1960	98	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2220	110	33-140	
2-Butanone (MEK)	ug/L	17100	10000	27100	101	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	9670	95	40-160	N2
Acetone	ug/L	37700	10000	49600	120	10-160	N2
Benzene	ug/L	ND	2000	2030	102	37-151	
Bromodichloromethane	ug/L	ND	2000	2030	102	35-142	
Bromoform	ug/L	ND	2000	2240	112	45-142	
Bromomethane	ug/L	ND	2000	1260	63	10-158	
Carbon tetrachloride	ug/L	ND	2000	2290	115	70-140	
Chloroethane	ug/L	ND	2000	1750	88	19-152	
Chloroform	ug/L	ND	2000	1990	100	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2020	101	34-147	N2
Ethylbenzene	ug/L	ND	2000	2210	110	40-142	
Methylene chloride	ug/L	103	2000	1850	87	31-144	
Tetrachloroethene	ug/L	ND	2000	2360	118	64-148	
Toluene	ug/L	ND	2000	2060	101	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	2050	102	54-151	
Trichloroethene	ug/L	ND	2000	2060	103	71-149	
Vinyl chloride	ug/L	ND	2000	1740	87	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

MATRIX SPIKE SAMPLE:		1459760					
Parameter	Units	60180063001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6750	112	37-144	N2
1,2-Dichloroethane-d4 (S)	%				97	80-120	
4-Bromofluorobenzene (S)	%				106	80-120	
Toluene-d8 (S)	%				98	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch:	OEXT/46631	Analysis Method:	EPA 625
QC Batch Method:	EPA 625	Analysis Description:	625 MSS
Associated Lab Samples:	60180186001		

METHOD BLANK: 1459520 Matrix: Water

Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/15/14 14:25	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/15/14 14:25	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/15/14 14:25	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/15/14 14:25	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/15/14 14:25	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/15/14 14:25	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/15/14 14:25	
Hexachloroethane	ug/L	ND	5.0	10/15/14 14:25	
Naphthalene	ug/L	ND	5.0	10/15/14 14:25	
Nitrobenzene	ug/L	ND	5.0	10/15/14 14:25	
Pentachlorophenol	ug/L	ND	5.0	10/15/14 14:25	
Phenol	ug/L	ND	5.0	10/15/14 14:25	
2,4,6-Tribromophenol (S)	%	88	39-120	10/15/14 14:25	
2-Fluorobiphenyl (S)	%	86	39-120	10/15/14 14:25	
2-Fluorophenol (S)	%	52	17-120	10/15/14 14:25	
Nitrobenzene-d5 (S)	%	85	33-120	10/15/14 14:25	
Phenol-d6 (S)	%	31	11-120	10/15/14 14:25	
Terphenyl-d14 (S)	%	103	45-120	10/15/14 14:25	

LABORATORY CONTROL SAMPLE: 1459521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	40.5	81	46-120	
2,4,6-Trichlorophenol	ug/L	50	41.7	83	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	37.6	75	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	34.6	69	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	46.5	93	40-133	
Hexachloro-1,3-butadiene	ug/L	50	41.2	82	44-116	
Hexachlorocyclopentadiene	ug/L	100	41.9	42	24-120	
Hexachloroethane	ug/L	50	42.8	86	43-113	
Naphthalene	ug/L	50	42.6	85	48-120	
Nitrobenzene	ug/L	50	46.0	92	48-120	
Pentachlorophenol	ug/L	50	47.0	94	47-120	
Phenol	ug/L	50	17.8	36	16-112	
2,4,6-Tribromophenol (S)	%			92	39-120	
2-Fluorobiphenyl (S)	%			88	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			89	33-120	
Phenol-d6 (S)	%			31	11-120	
Terphenyl-d14 (S)	%			91	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

MATRIX SPIKE SAMPLE: 1459522		60179932001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3490	70	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	3940	79	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3510	70	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	2470	5000	5320	57	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	4200	84	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3540	71	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	3850	38	11-120	
Hexachloroethane	ug/L	ND	5000	3570	71	40-113	
Naphthalene	ug/L	ND	5000	3740	75	45-120	
Nitrobenzene	ug/L	ND	5000	4000	80	38-120	
Pentachlorophenol	ug/L	ND	5000	4370	87	43-135	
Phenol	ug/L	4060	5000	5060	20	13-112	
2,4,6-Tribromophenol (S)	%				84	39-120	
2-Fluorobiphenyl (S)	%				76	39-120	
2-Fluorophenol (S)	%				44	17-120	
Nitrobenzene-d5 (S)	%				82	33-120	
Phenol-d6 (S)	%				31	11-120	
Terphenyl-d14 (S)	%				82	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch:	WET/50886	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180186001		

METHOD BLANK: 1459586 Matrix: Water
Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/14/14 16:09	

LABORATORY CONTROL SAMPLE: 1459587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.8	100	78-114	

MATRIX SPIKE SAMPLE: 1459589

Parameter	Units	60179524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	41.2	38.0	89	78-114	

SAMPLE DUPLICATE: 1459588

Parameter	Units	60179727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	101	89.5	12	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch:	WET/50887	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180186001		

METHOD BLANK: 1459597 Matrix: Water

Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/14/14 16:15	

LABORATORY CONTROL SAMPLE: 1459598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.8	119	64-132	

MATRIX SPIKE SAMPLE: 1459600

Parameter	Units	60179524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	15.6	67	64-132	

SAMPLE DUPLICATE: 1459599

Parameter	Units	60179727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	16.4	17.2	5	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch: WET/50938

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60180186001

METHOD BLANK: 1461192

Matrix: Water

Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/16/14 11:10	

SAMPLE DUPLICATE: 1461193

Parameter	Units	60180144001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	16.0	24.0	40	10	D6

SAMPLE DUPLICATE: 1461194

Parameter	Units	60180176001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	65.0	62.0	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch: WET/50893 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180186001

SAMPLE DUPLICATE: 1459702

Parameter	Units	60179439001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	4.8	4.8	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch: WET/50874

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180186001

METHOD BLANK: 1459281

Matrix: Water

Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/18/14 10:29	

LABORATORY CONTROL SAMPLE: 1459282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	182	92	85-115	

SAMPLE DUPLICATE: 1459283

Parameter	Units	60180187001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	8860	8650	2	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch:	WETA/31405	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60180186001		

METHOD BLANK: 1462226 Matrix: Water
Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/17/14 15:25	

LABORATORY CONTROL SAMPLE: 1462227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 1462228

Parameter	Units	60179048002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.17	2	2.4	111	90-110	M1

SAMPLE DUPLICATE: 1462229

Parameter	Units	60179603002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

QC Batch:	WETA/31329	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180186001		

METHOD BLANK: 1459485 Matrix: Water
Associated Lab Samples: 60180186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/15/14 08:52	

LABORATORY CONTROL SAMPLE: 1459486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	50.4	101	90-110	

MATRIX SPIKE SAMPLE: 1459487

Parameter	Units	60178781001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	332	250	564	93	90-110	

MATRIX SPIKE SAMPLE: 1459489

Parameter	Units	60179858001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	16.8	50	60.6	88	90-110	M1

SAMPLE DUPLICATE: 1459488

Parameter	Units	60180063001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	20400	20600	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-033

Pace Project No.: 60180186

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180186001	T1-033	EPA 200.7	MPRP/29334	EPA 200.7	ICP/22040
60180186001	T1-033	EPA 200.7	MPRP/29335	EPA 200.7	ICP/22042
60180186001	T1-033	EPA 245.1	MERP/8921	EPA 245.1	MERC/8878
60180186001	T1-033	EPA 245.1	MERP/8917	EPA 245.1	MERC/8870
60180186001	T1-033	EPA 625	OEXT/46631	EPA 625	MSSV/14988
60180186001	T1-033	EPA 624 Low	MSV/65060		
60180186002	TRIP BLANK	EPA 624 Low	MSV/65060		
60180186001	T1-033	EPA 1664A	WET/50886		
60180186001	T1-033	EPA 1664A	WET/50887		
60180186001	T1-033	SM 2540D	WET/50938		
60180186001	T1-033	SM 4500-H+B	WET/50893		
60180186001	T1-033	SM 5210B	WET/50874	SM 5210B	WET/50998
60180186001	T1-033	EPA 350.1	WETA/31405		
60180186001	T1-033	EPA 410.4	WETA/31329		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180186



60180186

Client Name: Barr

Optional
Proj Due Date
Proj Name:

Courier: Fed Ex UPS USPS Client Commercial Pace Other Xroad

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 1.4

Date and initials of person examining contents: CW 10/27/14

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>pH 8.0 D</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Both BP35 + BP3N initial pH were 6.0
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	added 2.5 mL HNO ₃ to BP3N final pH = 3.0
Exceptions: VOA, coliform, TOC, <u>O&C</u> , WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	14. add 1.0 mL H ₂ SO ₄ to BP35 final pH = 1.5
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed <u>CW</u> Lot # of added preservative <u>12787-14-8 12513-3740</u>
Pace Trip Blank lot # (if purchased): <u>081814-3CAP</u>		15.
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16. <u>In 1/5 T1-033 vials there is headspace</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	17. List State <u>MD</u>

Client Notification/ Resolution: Copy COC to Client? Y N Field Data Required? Y N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 10/27/14

October 20, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

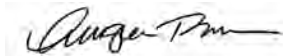
RE: Project: BRIDGETON LF T1-034
Pace Project No.: 60180187

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180187001	T1-034	Water	10/12/14 15:50	10/13/14 13:50
60180187002	TRIP BLANK	Water	10/12/14 08:00	10/13/14 13:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180187001	T1-034	EPA 200.7	JGP	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180187002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

Sample: T1-034	Lab ID: 60180187001	Collected: 10/12/14 15:50	Received: 10/13/14 13:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	3280 ug/L		375	1	10/15/14 16:00	10/16/14 13:32	7429-90-5	
Antimony	ND ug/L		50.0	1	10/15/14 16:00	10/16/14 13:32	7440-36-0	
Arsenic	396 ug/L		50.0	1	10/15/14 16:00	10/16/14 13:32	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/15/14 16:00	10/16/14 13:32	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/15/14 16:00	10/16/14 13:32	7440-43-9	
Chromium	121 ug/L		25.0	1	10/15/14 16:00	10/16/14 13:32	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/15/14 16:00	10/16/14 13:32	7440-48-4	
Copper	ND ug/L		50.0	1	10/15/14 16:00	10/16/14 13:32	7440-50-8	
Iron	24500 ug/L		250	1	10/15/14 16:00	10/16/14 13:32	7439-89-6	M1
Lead	50.2 ug/L		25.0	1	10/15/14 16:00	10/16/14 13:32	7439-92-1	
Nickel	88.9 ug/L		25.0	1	10/15/14 16:00	10/16/14 13:32	7440-02-0	
Selenium	ND ug/L		75.0	1	10/15/14 16:00	10/16/14 13:32	7782-49-2	
Silver	ND ug/L		35.0	1	10/15/14 16:00	10/16/14 13:32	7440-22-4	
Thallium	ND ug/L		100	1	10/15/14 16:00	10/16/14 13:32	7440-28-0	
Zinc	3350 ug/L		250	1	10/15/14 16:00	10/16/14 13:32	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/15/14 16:00	10/16/14 13:01	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/15/14 16:00	10/16/14 13:01	7440-36-0	
Arsenic, Dissolved	177 ug/L		50.0	1	10/15/14 16:00	10/16/14 13:01	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/15/14 16:00	10/16/14 13:01	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/15/14 16:00	10/16/14 13:01	7440-43-9	
Chromium, Dissolved	45.4 ug/L		25.0	1	10/15/14 16:00	10/16/14 13:01	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/15/14 16:00	10/16/14 13:01	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/15/14 16:00	10/16/14 13:01	7440-50-8	
Iron, Dissolved	25800 ug/L		250	1	10/15/14 16:00	10/16/14 13:01	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/15/14 16:00	10/16/14 13:01	7439-92-1	
Nickel, Dissolved	46.8 ug/L		25.0	1	10/15/14 16:00	10/16/14 13:01	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/15/14 16:00	10/16/14 13:01	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/15/14 16:00	10/16/14 13:01	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/15/14 16:00	10/16/14 13:01	7440-28-0	
Zinc, Dissolved	ND ug/L		250	1	10/15/14 16:00	10/16/14 13:01	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	10/16/14 14:45	10/17/14 09:21	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/15/14 16:30	10/16/14 10:06	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/14/14 00:00	10/15/14 16:29	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:29	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:29	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:29	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/14/14 00:00	10/15/14 16:29	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2120 ug/L		2000	1	10/14/14 00:00	10/15/14 16:29		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

Sample: T1-034	Lab ID: 60180187001	Collected: 10/12/14 15:50	Received: 10/13/14 13:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:29	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:29	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:29	87-86-5	
Phenol	3370 ug/L		500	1	10/14/14 00:00	10/15/14 16:29	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:29	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/14/14 00:00	10/15/14 16:29	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	92 %		33-120	1	10/14/14 00:00	10/15/14 16:29	4165-60-0	
2-Fluorobiphenyl (S)	81 %		39-120	1	10/14/14 00:00	10/15/14 16:29	321-60-8	
Terphenyl-d14 (S)	90 %		45-120	1	10/14/14 00:00	10/15/14 16:29	1718-51-0	
Phenol-d6 (S)	33 %		11-120	1	10/14/14 00:00	10/15/14 16:29	13127-88-3	
2-Fluorophenol (S)	44 %		17-120	1	10/14/14 00:00	10/15/14 16:29	367-12-4	
2,4,6-Tribromophenol (S)	95 %		39-120	1	10/14/14 00:00	10/15/14 16:29	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	58600 ug/L		1000	100		10/14/14 14:58	67-64-1	N2
Benzene	ND ug/L		100	100		10/14/14 14:58	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/14/14 14:58	75-27-4	
Bromoform	ND ug/L		100	100		10/14/14 14:58	75-25-2	
Bromomethane	ND ug/L		500	100		10/14/14 14:58	74-83-9	
2-Butanone (MEK)	27500 ug/L		1000	100		10/14/14 14:58	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/14/14 14:58	56-23-5	
Chloroethane	ND ug/L		100	100		10/14/14 14:58	75-00-3	
Chloroform	ND ug/L		100	100		10/14/14 14:58	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/14/14 14:58	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/14/14 14:58	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/14/14 14:58	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/14/14 14:58	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/14/14 14:58	100-41-4	
Methylene chloride	103 ug/L		100	100		10/14/14 14:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/14/14 14:58	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/14/14 14:58	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/14/14 14:58	127-18-4	
Toluene	ND ug/L		100	100		10/14/14 14:58	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/14/14 14:58	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/14/14 14:58	79-00-5	
Trichloroethene	ND ug/L		100	100		10/14/14 14:58	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/14/14 14:58	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/14/14 14:58	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	105 %		80-120	100		10/14/14 14:58	460-00-4	
Toluene-d8 (S)	101 %		80-120	100		10/14/14 14:58	2037-26-5	
1,2-Dichloroethane-d4 (S)	100 %		80-120	100		10/14/14 14:58	17060-07-0	
Preservation pH	6.0		1.0	100		10/14/14 14:58		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	160 mg/L		5.0	1		10/14/14 16:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

Sample: T1-034		Lab ID: 60180187001	Collected: 10/12/14 15:50	Received: 10/13/14 13:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	8.0	mg/L	5.0	1		10/14/14 16:19		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	2280	mg/L	5.0	1		10/16/14 11:11		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.2	Std. Units	0.10	1		10/14/14 14:00		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	8860	mg/L	2.0	1	10/13/14 15:52	10/18/14 10:47		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	162	mg/L	10.0	100		10/17/14 15:37	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	19700	mg/L	2500	250		10/15/14 08:59		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

Sample: TRIP BLANK		Lab ID: 60180187002	Collected: 10/12/14 08:00	Received: 10/13/14 13:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/14/14 14:02	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/14/14 14:02	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/14/14 14:02	75-27-4	
Bromoform	ND ug/L		1.0	1		10/14/14 14:02	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/14/14 14:02	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/14/14 14:02	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/14/14 14:02	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/14/14 14:02	75-00-3	
Chloroform	ND ug/L		1.0	1		10/14/14 14:02	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/14/14 14:02	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/14/14 14:02	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/14/14 14:02	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/14/14 14:02	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/14/14 14:02	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/14/14 14:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/14/14 14:02	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/14/14 14:02	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/14/14 14:02	127-18-4	
Toluene	ND ug/L		1.0	1		10/14/14 14:02	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/14/14 14:02	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/14/14 14:02	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/14/14 14:02	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/14/14 14:02	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/14/14 14:02	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	108 %		80-120	1		10/14/14 14:02	460-00-4	
Toluene-d8 (S)	96 %		80-120	1		10/14/14 14:02	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	1		10/14/14 14:02	17060-07-0	
Preservation pH	6.0		1.0	1		10/14/14 14:02		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch: MERP/8921

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60180187001

METHOD BLANK: 1461442

Matrix: Water

Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/17/14 09:10	

LABORATORY CONTROL SAMPLE: 1461443

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461444 1461445

Parameter	Units	60180186001		60180187001		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury	ug/L	ND	150	150	87.6	84.0	58	56	70-130	4	20	M1	

MATRIX SPIKE SAMPLE: 1461446

Parameter	Units	60180187001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	95.1	62	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch:	MERP/8917	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60180187001		

METHOD BLANK: 1460680 Matrix: Water
Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/16/14 09:51	

LABORATORY CONTROL SAMPLE: 1460681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460682 1460683

Parameter	Units	60179932001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	150	150	95.7	103	64	68	70-130	7	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034
Pace Project No.: 60180187

QC Batch: MPRP/29334 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 60180187001

METHOD BLANK: 1460751 Matrix: Water
Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/16/14 13:15	
Antimony	ug/L	ND	10.0	10/16/14 13:15	
Arsenic	ug/L	ND	10.0	10/16/14 13:15	
Beryllium	ug/L	ND	1.0	10/16/14 13:15	
Cadmium	ug/L	ND	5.0	10/16/14 13:15	
Chromium	ug/L	ND	5.0	10/16/14 13:15	
Cobalt	ug/L	ND	5.0	10/16/14 13:15	
Copper	ug/L	ND	10.0	10/16/14 13:15	
Iron	ug/L	ND	50.0	10/16/14 13:15	
Lead	ug/L	ND	5.0	10/16/14 13:15	
Nickel	ug/L	ND	5.0	10/16/14 13:15	
Selenium	ug/L	ND	15.0	10/16/14 13:15	
Silver	ug/L	ND	7.0	10/16/14 13:15	
Thallium	ug/L	ND	20.0	10/16/14 13:15	
Zinc	ug/L	ND	50.0	10/16/14 13:15	

LABORATORY CONTROL SAMPLE: 1460752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9880	99	85-115	
Antimony	ug/L	1000	999	100	85-115	
Arsenic	ug/L	1000	956	96	85-115	
Beryllium	ug/L	1000	966	97	85-115	
Cadmium	ug/L	1000	981	98	85-115	
Chromium	ug/L	1000	967	97	85-115	
Cobalt	ug/L	1000	1000	100	85-115	
Copper	ug/L	1000	979	98	85-115	
Iron	ug/L	10000	9520	95	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1010	101	85-115	
Selenium	ug/L	1000	971	97	85-115	
Silver	ug/L	500	482	96	85-115	
Thallium	ug/L	1000	1020	102	85-115	
Zinc	ug/L	1000	972	97	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460753												1460754											
Parameter	Units	60180186001 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual									
			Spike Conc.	Spike Conc.																			
Aluminum	ug/L	4670	50000	50000	56000	55800	103	102	70-130	1	8												
Antimony	ug/L	ND	5000	5000	5040	5120	101	102	70-130	1	7												
Arsenic	ug/L	435	5000	5000	5540	5500	102	101	70-130	1	10												
Beryllium	ug/L	ND	5000	5000	4830	4820	97	96	70-130	0	7												
Cadmium	ug/L	ND	5000	5000	5040	5040	101	101	70-130	0	10												
Chromium	ug/L	140	5000	5000	4890	4880	95	95	70-130	0	10												
Cobalt	ug/L	ND	5000	5000	4750	4760	95	95	70-130	0	6												
Copper	ug/L	ND	5000	5000	4940	4960	99	99	70-130	0	11												
Iron	ug/L	380000	50000	50000	402000	342000	44	-76	70-130	16	10	M1, R1											
Lead	ug/L	83.2	5000	5000	4620	4650	91	91	70-130	1	10												
Nickel	ug/L	85.2	5000	5000	4790	4810	94	94	70-130	0	10												
Selenium	ug/L	ND	5000	5000	5260	5260	105	105	70-130	0	10												
Silver	ug/L	ND	2500	2500	2450	2540	98	101	70-130	4	10												
Thallium	ug/L	ND	5000	5000	4400	4420	87	87	70-130	0	6												
Zinc	ug/L	3980	5000	5000	8540	8210	91	85	70-130	4	11												

MATRIX SPIKE SAMPLE: 1460755											
Parameter	Units	60180187001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	3280	50000
Antimony	ug/L	ND	5000	5220	104	70-130					
Arsenic	ug/L	396	5000	5480	102	70-130					
Beryllium	ug/L	ND	5000	4760	95	70-130					
Cadmium	ug/L	ND	5000	5120	102	70-130					
Chromium	ug/L	121	5000	4970	97	70-130					
Cobalt	ug/L	ND	5000	4900	98	70-130					
Copper	ug/L	ND	5000	5060	101	70-130					
Iron	ug/L	245000	50000	221000	-49	70-130	M1				
Lead	ug/L	50.2	5000	4720	93	70-130					
Nickel	ug/L	88.9	5000	4900	96	70-130					
Selenium	ug/L	ND	5000	5280	105	70-130					
Silver	ug/L	ND	2500	2580	103	70-130					
Thallium	ug/L	ND	5000	4540	90	70-130					
Zinc	ug/L	3350	5000	7180	77	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch:	MPRP/29335	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	60180187001		

METHOD BLANK: 1460761 Matrix: Water

Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/16/14 12:48	
Antimony, Dissolved	ug/L	ND	10.0	10/16/14 12:48	
Arsenic, Dissolved	ug/L	ND	10.0	10/16/14 12:48	
Beryllium, Dissolved	ug/L	ND	1.0	10/16/14 12:48	
Cadmium, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Chromium, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Cobalt, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Copper, Dissolved	ug/L	ND	10.0	10/16/14 12:48	
Iron, Dissolved	ug/L	ND	50.0	10/16/14 12:48	
Lead, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Nickel, Dissolved	ug/L	ND	5.0	10/16/14 12:48	
Selenium, Dissolved	ug/L	ND	15.0	10/16/14 12:48	
Silver, Dissolved	ug/L	ND	7.0	10/16/14 12:48	
Thallium, Dissolved	ug/L	ND	20.0	10/16/14 12:48	
Zinc, Dissolved	ug/L	ND	50.0	10/16/14 12:48	

LABORATORY CONTROL SAMPLE: 1460762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10000	100	85-115	
Antimony, Dissolved	ug/L	1000	1010	101	85-115	
Arsenic, Dissolved	ug/L	1000	948	95	85-115	
Beryllium, Dissolved	ug/L	1000	1010	101	85-115	
Cadmium, Dissolved	ug/L	1000	977	98	85-115	
Chromium, Dissolved	ug/L	1000	1010	101	85-115	
Cobalt, Dissolved	ug/L	1000	1000	100	85-115	
Copper, Dissolved	ug/L	1000	1000	100	85-115	
Iron, Dissolved	ug/L	10000	9940	99	85-115	
Lead, Dissolved	ug/L	1000	998	100	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	989	99	85-115	
Silver, Dissolved	ug/L	500	501	100	85-115	
Thallium, Dissolved	ug/L	1000	977	98	85-115	
Zinc, Dissolved	ug/L	1000	964	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460763		1460764		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		60180063001 Result	MS Spike Conc.	MSD Spike Conc.									
Aluminum, Dissolved	ug/L	ND	50000	50000	51500	50800	102	101	70-130	1	8		
Antimony, Dissolved	ug/L	ND	5000	5000	5320	5280	106	105	70-130	1	7		
Arsenic, Dissolved	ug/L	239	5000	5000	5370	5340	103	102	70-130	1	10		
Beryllium, Dissolved	ug/L	ND	5000	5000	5020	4970	100	99	70-130	1	7		
Cadmium, Dissolved	ug/L	ND	5000	5000	5120	5100	102	102	70-130	1	10		
Chromium, Dissolved	ug/L	58.4	5000	5000	5040	4940	100	98	70-130	2	10		
Cobalt, Dissolved	ug/L	ND	5000	5000	4950	4890	99	98	70-130	1	6		
Copper, Dissolved	ug/L	ND	5000	5000	5320	5290	106	106	70-130	0	11		
Iron, Dissolved	ug/L	91200	50000	50000	140000	142000	97	102	70-130	2	10		
Lead, Dissolved	ug/L	ND	5000	5000	4860	4770	97	95	70-130	2	10		
Nickel, Dissolved	ug/L	50.2	5000	5000	5000	4940	99	98	70-130	1	10		
Selenium, Dissolved	ug/L	ND	5000	5000	5380	5350	108	107	70-130	0	10		
Silver, Dissolved	ug/L	ND	2500	2500	2620	2580	104	103	70-130	1	10		
Thallium, Dissolved	ug/L	ND	5000	5000	4560	4500	91	90	70-130	1	6		
Zinc, Dissolved	ug/L	296	5000	5000	4990	4920	94	92	70-130	1	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch: MSV/65060 Analysis Method: EPA 624 Low
 QC Batch Method: EPA 624 Low Analysis Description: 624 MSV
 Associated Lab Samples: 60180187001, 60180187002

METHOD BLANK: 1459758 Matrix: Water

Associated Lab Samples: 60180187001, 60180187002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/14/14 11:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/14/14 11:47	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/14/14 11:47	
1,2-Dichloroethane	ug/L	ND	1.0	10/14/14 11:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/14/14 11:47	
2-Butanone (MEK)	ug/L	ND	10.0	10/14/14 11:47	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/14/14 11:47	N2
Acetone	ug/L	ND	10.0	10/14/14 11:47	N2
Benzene	ug/L	ND	1.0	10/14/14 11:47	
Bromodichloromethane	ug/L	ND	1.0	10/14/14 11:47	
Bromoform	ug/L	ND	1.0	10/14/14 11:47	
Bromomethane	ug/L	ND	5.0	10/14/14 11:47	
Carbon tetrachloride	ug/L	ND	1.0	10/14/14 11:47	
Chloroethane	ug/L	ND	1.0	10/14/14 11:47	
Chloroform	ug/L	ND	1.0	10/14/14 11:47	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/14/14 11:47	N2
Ethylbenzene	ug/L	ND	1.0	10/14/14 11:47	
Methylene chloride	ug/L	ND	1.0	10/14/14 11:47	
Tetrachloroethene	ug/L	ND	1.0	10/14/14 11:47	
Toluene	ug/L	ND	1.0	10/14/14 11:47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/14/14 11:47	
Trichloroethene	ug/L	ND	1.0	10/14/14 11:47	
Vinyl chloride	ug/L	ND	1.0	10/14/14 11:47	
Xylene (Total)	ug/L	ND	3.0	10/14/14 11:47	N2
1,2-Dichloroethane-d4 (S)	%	103	80-120	10/14/14 11:47	
4-Bromofluorobenzene (S)	%	106	80-120	10/14/14 11:47	
Toluene-d8 (S)	%	94	80-120	10/14/14 11:47	

LABORATORY CONTROL SAMPLE: 1459759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.3	102	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	23.1	115	67-127	N2
1,1,2-Trichloroethane	ug/L	20	21.7	109	67-124	
1,2-Dichloroethane	ug/L	20	20.6	103	70-126	
1,4-Dichlorobenzene	ug/L	20	21.2	106	74-120	
2-Butanone (MEK)	ug/L	100	93.8	94	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.5	100	59-131	N2
Acetone	ug/L	100	90.6	91	38-134	N2
Benzene	ug/L	20	20.4	102	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

LABORATORY CONTROL SAMPLE: 1459759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.5	102	68-125	
Bromoform	ug/L	20	22.9	115	65-127	
Bromomethane	ug/L	20	12.6	63	13-157	
Carbon tetrachloride	ug/L	20	21.0	105	70-131	
Chloroethane	ug/L	20	26.0	130	47-133	
Chloroform	ug/L	20	20.4	102	65-127	
cis-1,2-Dichloroethene	ug/L	20	20.4	102	68-127	N2
Ethylbenzene	ug/L	20	21.1	106	74-122	
Methylene chloride	ug/L	20	20.9	104	64-129	
Tetrachloroethene	ug/L	20	22.1	111	73-125	
Toluene	ug/L	20	19.7	98	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.3	102	66-129	
Trichloroethene	ug/L	20	20.4	102	71-123	
Vinyl chloride	ug/L	20	19.8	99	43-129	
Xylene (Total)	ug/L	60	62.8	105	75-121	N2
1,2-Dichloroethane-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			105	80-120	
Toluene-d8 (S)	%			96	80-120	

MATRIX SPIKE SAMPLE: 1459760

Parameter	Units	60180063001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2080	104	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2230	111	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2040	102	52-143	
1,2-Dichloroethane	ug/L	ND	2000	1960	98	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2220	110	33-140	
2-Butanone (MEK)	ug/L	17100	10000	27100	101	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	9670	95	40-160	N2
Acetone	ug/L	37700	10000	49600	120	10-160	N2
Benzene	ug/L	ND	2000	2030	102	37-151	
Bromodichloromethane	ug/L	ND	2000	2030	102	35-142	
Bromoform	ug/L	ND	2000	2240	112	45-142	
Bromomethane	ug/L	ND	2000	1260	63	10-158	
Carbon tetrachloride	ug/L	ND	2000	2290	115	70-140	
Chloroethane	ug/L	ND	2000	1750	88	19-152	
Chloroform	ug/L	ND	2000	1990	100	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2020	101	34-147	N2
Ethylbenzene	ug/L	ND	2000	2210	110	40-142	
Methylene chloride	ug/L	103	2000	1850	87	31-144	
Tetrachloroethene	ug/L	ND	2000	2360	118	64-148	
Toluene	ug/L	ND	2000	2060	101	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	2050	102	54-151	
Trichloroethene	ug/L	ND	2000	2060	103	71-149	
Vinyl chloride	ug/L	ND	2000	1740	87	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

MATRIX SPIKE SAMPLE:		1459760		60180063001		Spike Conc.		MS Result		MS % Rec		% Rec Limits		Qualifiers	
Parameter	Units	Result	Conc.	Result	% Rec	Result	% Rec	Limit	Limit	Qualifier	Qualifier	Qualifier	Qualifier	Qualifier	Qualifier
Xylene (Total)	ug/L	ND	6000	6750	112	37-144	N2								
1,2-Dichloroethane-d4 (S)	%				97	80-120									
4-Bromofluorobenzene (S)	%				106	80-120									
Toluene-d8 (S)	%				98	80-120									
Preservation pH		6.0		6.0											

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch: OEXT/46631 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60180187001

METHOD BLANK: 1459520 Matrix: Water

Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/15/14 14:25	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/15/14 14:25	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/15/14 14:25	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/15/14 14:25	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/15/14 14:25	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/15/14 14:25	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/15/14 14:25	
Hexachloroethane	ug/L	ND	5.0	10/15/14 14:25	
Naphthalene	ug/L	ND	5.0	10/15/14 14:25	
Nitrobenzene	ug/L	ND	5.0	10/15/14 14:25	
Pentachlorophenol	ug/L	ND	5.0	10/15/14 14:25	
Phenol	ug/L	ND	5.0	10/15/14 14:25	
2,4,6-Tribromophenol (S)	%	88	39-120	10/15/14 14:25	
2-Fluorobiphenyl (S)	%	86	39-120	10/15/14 14:25	
2-Fluorophenol (S)	%	52	17-120	10/15/14 14:25	
Nitrobenzene-d5 (S)	%	85	33-120	10/15/14 14:25	
Phenol-d6 (S)	%	31	11-120	10/15/14 14:25	
Terphenyl-d14 (S)	%	103	45-120	10/15/14 14:25	

LABORATORY CONTROL SAMPLE: 1459521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	40.5	81	46-120	
2,4,6-Trichlorophenol	ug/L	50	41.7	83	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	37.6	75	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	34.6	69	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	46.5	93	40-133	
Hexachloro-1,3-butadiene	ug/L	50	41.2	82	44-116	
Hexachlorocyclopentadiene	ug/L	100	41.9	42	24-120	
Hexachloroethane	ug/L	50	42.8	86	43-113	
Naphthalene	ug/L	50	42.6	85	48-120	
Nitrobenzene	ug/L	50	46.0	92	48-120	
Pentachlorophenol	ug/L	50	47.0	94	47-120	
Phenol	ug/L	50	17.8	36	16-112	
2,4,6-Tribromophenol (S)	%			92	39-120	
2-Fluorobiphenyl (S)	%			88	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			89	33-120	
Phenol-d6 (S)	%			31	11-120	
Terphenyl-d14 (S)	%			91	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

MATRIX SPIKE SAMPLE:		1459522					
Parameter	Units	60179932001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3490	70	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	3940	79	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3510	70	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	2470	5000	5320	57	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	4200	84	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3540	71	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	3850	38	11-120	
Hexachloroethane	ug/L	ND	5000	3570	71	40-113	
Naphthalene	ug/L	ND	5000	3740	75	45-120	
Nitrobenzene	ug/L	ND	5000	4000	80	38-120	
Pentachlorophenol	ug/L	ND	5000	4370	87	43-135	
Phenol	ug/L	4060	5000	5060	20	13-112	
2,4,6-Tribromophenol (S)	%				84	39-120	
2-Fluorobiphenyl (S)	%				76	39-120	
2-Fluorophenol (S)	%				44	17-120	
Nitrobenzene-d5 (S)	%				82	33-120	
Phenol-d6 (S)	%				31	11-120	
Terphenyl-d14 (S)	%				82	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch:	WET/50886	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180187001		

METHOD BLANK: 1459586 Matrix: Water
Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/14/14 16:09	

LABORATORY CONTROL SAMPLE: 1459587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.8	100	78-114	

MATRIX SPIKE SAMPLE: 1459589

Parameter	Units	60179524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	41.2	38.0	89	78-114	

SAMPLE DUPLICATE: 1459588

Parameter	Units	60179727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	101	89.5	12	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch:	WET/50887	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180187001		

METHOD BLANK: 1459597 Matrix: Water
Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/14/14 16:15	

LABORATORY CONTROL SAMPLE: 1459598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.8	119	64-132	

MATRIX SPIKE SAMPLE: 1459600

Parameter	Units	60179524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	15.6	67	64-132	

SAMPLE DUPLICATE: 1459599

Parameter	Units	60179727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	16.4	17.2	5	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch: WET/50938

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60180187001

METHOD BLANK: 1461192

Matrix: Water

Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/16/14 11:10	

SAMPLE DUPLICATE: 1461193

Parameter	Units	60180144001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	16.0	24.0	40	10	D6

SAMPLE DUPLICATE: 1461194

Parameter	Units	60180176001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	65.0	62.0	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch: WET/50893 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180187001

SAMPLE DUPLICATE: 1459702

Parameter	Units	60179439001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	4.8	4.8	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch: WET/50874

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180187001

METHOD BLANK: 1459281

Matrix: Water

Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/18/14 10:29	

LABORATORY CONTROL SAMPLE: 1459282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	182	92	85-115	

SAMPLE DUPLICATE: 1459283

Parameter	Units	60180187001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	8860	8650	2	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch:	WETA/31405	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60180187001		

METHOD BLANK: 1462226 Matrix: Water
Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/17/14 15:25	

LABORATORY CONTROL SAMPLE: 1462227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 1462228

Parameter	Units	60179048002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.17	2	2.4	111	90-110	M1

SAMPLE DUPLICATE: 1462229

Parameter	Units	60179603002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

QC Batch:	WETA/31329	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180187001		

METHOD BLANK: 1459485 Matrix: Water
Associated Lab Samples: 60180187001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/15/14 08:52	

LABORATORY CONTROL SAMPLE: 1459486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	50.4	101	90-110	

MATRIX SPIKE SAMPLE: 1459487

Parameter	Units	60178781001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	332	250	564	93	90-110	

MATRIX SPIKE SAMPLE: 1459489

Parameter	Units	60179858001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	16.8	50	60.6	88	90-110	M1

SAMPLE DUPLICATE: 1459488

Parameter	Units	60180063001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	20400	20600	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-034

Pace Project No.: 60180187

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180187001	T1-034	EPA 200.7	MPRP/29334	EPA 200.7	ICP/22040
60180187001	T1-034	EPA 200.7	MPRP/29335	EPA 200.7	ICP/22042
60180187001	T1-034	EPA 245.1	MERP/8921	EPA 245.1	MERC/8878
60180187001	T1-034	EPA 245.1	MERP/8917	EPA 245.1	MERC/8870
60180187001	T1-034	EPA 625	OEXT/46631	EPA 625	MSSV/14988
60180187001	T1-034	EPA 624 Low	MSV/65060		
60180187002	TRIP BLANK	EPA 624 Low	MSV/65060		
60180187001	T1-034	EPA 1664A	WET/50886		
60180187001	T1-034	EPA 1664A	WET/50887		
60180187001	T1-034	SM 2540D	WET/50938		
60180187001	T1-034	SM 4500-H+B	WET/50893		
60180187001	T1-034	SM 5210B	WET/50874	SM 5210B	WET/50998
60180187001	T1-034	EPA 350.1	WETA/31405		
60180187001	T1-034	EPA 410.4	WETA/31329		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

WO#: 60180187



60180187



Sample Condition Upon Receipt

Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other X roads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 3.4

Date and initials of person examining contents: GW 10/13/14

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>pH BOD</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>BP35 initial pH 4.5 added 1.0 mL H2SO4</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>Final pH = 2.0</u>
Exceptions: VOA, coliform, TOC, <u>O&G</u> WI-DRO (water), Phenolics	<input type="checkbox"/> Yes <input type="checkbox"/> No	14. <u>BP3N initial pH 6.0 added 2.5 mL HNO3 final pH 3.0</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed <u>GW</u> Lot # of added preservative <u>12787-19-8 12513-37-10</u>
Pace Trip Blank lot # (if purchased): <u>081014-3CAP</u>		15.
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16. <u>In 2/5 D69U vials there is headspace</u> <u>TD-34</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MD</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: [Signature]

October 21, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

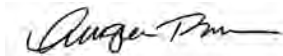
RE: Project: BRIDGETON UNTREATED COMMINGLED
Pace Project No.: 60180206

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

Dallas Certification IDs:

400 West Bethany Dr Suite 190, Allen, TX 75013

EPA# TX00074

Texas Certification #: T104704232-14-8

Kansas Certification #: E-10388

Arkansas Certification #: 88-0647

Oklahoma Certification #: 2014-055

Louisiana Certification #: 02007

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180206001	OCT '14	Water	10/11/14 16:17	10/13/14 13:50
60180206002	TRIP BLANK	Water	10/11/14 16:17	10/13/14 13:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60180206001	OCT '14	EPA 8081	TA	9	PASI-D
		EPA 8151	PMS	3	PASI-D
		EPA 6010	TDS	7	PASI-K
		EPA 7470	ZBM	1	PASI-K
		EPA 8270	JMT	18	PASI-K
		EPA 8260	EAK, JKL	13	PASI-K
		EPA 5030B/8260	PRG	28	PASI-K
		EPA 1664A	CRT	1	PASI-K
		SM 2540B	MER	1	PASI-K
60180206002	TRIP BLANK	EPA 5030B/8260	PRG	28	PASI-K

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

Date: October 21, 2014

The sample volume received for volatile analysis for leachate sample OCT'14 contained head space presence greater than 6mm. Per historical instructions, the analysis is complete and the presence noted.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

Sample: OCT '14	Lab ID: 60180206001	Collected: 10/11/14 16:17	Received: 10/13/14 13:50	Matrix: Water					
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP									
Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Leachate Method/Date: EPA 1311; 10/11/14 16:17									
gamma-BHC (Lindane)	ND mg/L		0.000010	.4	1	10/16/14 15:00	10/17/14 21:37	58-89-9	
Chlordane (Technical)	ND mg/L		0.00010	.03	1	10/16/14 15:00	10/17/14 21:37	57-74-9	
Endrin	ND mg/L		0.000010	.02	1	10/16/14 15:00	10/17/14 21:37	72-20-8	
Heptachlor	ND mg/L		0.000010	.008	1	10/16/14 15:00	10/17/14 21:37	76-44-8	
Heptachlor epoxide	ND mg/L		0.000010	.008	1	10/16/14 15:00	10/17/14 21:37	1024-57-3	
Methoxychlor	ND mg/L		0.000010	10	1	10/16/14 15:00	10/17/14 21:37	72-43-5	
Toxaphene	ND mg/L		0.00030	.5	1	10/16/14 15:00	10/17/14 21:37	8001-35-2	
Surrogates									
Decachlorobiphenyl (S)	36 %.		40-140		1	10/16/14 15:00	10/17/14 21:37	2051-24-3	S0
Tetrachloro-m-xylene (S)	153 %.		40-140		1	10/16/14 15:00	10/17/14 21:37	877-09-8	S3
8151 Chlorinate Herbicide TCLP									
Analytical Method: EPA 8151 Preparation Method: EPA 8151									
Leachate Method/Date: EPA 1311; 10/11/14 16:17									
2,4-D	ND mg/L		0.0050	10	10	10/16/14 17:18	10/20/14 12:56	94-75-7	
2,4,5-TP (Silvex)	ND mg/L		0.0050	1	10	10/16/14 17:18	10/20/14 12:56	93-72-1	
Surrogates									
2,4-DCAA (S)	1140 %.		40-140		10	10/16/14 17:18	10/20/14 12:56	19719-28-9	S4
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/14 00:00									
Arsenic	ND mg/L		0.50	5	1	10/15/14 11:00	10/15/14 16:57	7440-38-2	
Barium	ND mg/L		2.5	100	1	10/15/14 11:00	10/15/14 16:57	7440-39-3	
Cadmium	ND mg/L		0.050	1	1	10/15/14 11:00	10/15/14 16:57	7440-43-9	
Chromium	ND mg/L		0.10	5	1	10/15/14 11:00	10/15/14 16:57	7440-47-3	
Lead	ND mg/L		0.50	5	1	10/15/14 11:00	10/15/14 16:57	7439-92-1	
Selenium	ND mg/L		0.50	1	1	10/15/14 11:00	10/15/14 16:57	7782-49-2	
Silver	ND mg/L		0.10	5	1	10/15/14 11:00	10/15/14 16:57	7440-22-4	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/14/14 00:00									
Mercury	ND mg/L		0.0020	.2	1	10/15/14 16:30	10/16/14 13:21	7439-97-6	
8270 MSSV TCLP Sep Funnel									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Leachate Method/Date: EPA 1311; 10/14/14 00:00									
1,4-Dichlorobenzene	157 ug/L		100	7500	1	10/15/14 00:00	10/16/14 19:49	106-46-7	
2,4-Dinitrotoluene	ND ug/L		100	130	1	10/15/14 00:00	10/16/14 19:49	121-14-2	
Hexachloro-1,3-butadiene	ND ug/L		100	500	1	10/15/14 00:00	10/16/14 19:49	87-68-3	
Hexachlorobenzene	ND ug/L		100	130	1	10/15/14 00:00	10/16/14 19:49	118-74-1	
Hexachloroethane	ND ug/L		100	3000	1	10/15/14 00:00	10/16/14 19:49	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		100	200000	1	10/15/14 00:00	10/16/14 19:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	2190 ug/L		1000	200000	5	10/15/14 00:00	10/17/14 12:22		
Nitrobenzene	ND ug/L		100	2000	1	10/15/14 00:00	10/16/14 19:49	98-95-3	
Pentachlorophenol	ND ug/L		500	100000	1	10/15/14 00:00	10/16/14 19:49	87-86-5	
Pyridine	ND ug/L		100	5000	1	10/15/14 00:00	10/16/14 19:49	110-86-1	
2,4,5-Trichlorophenol	ND ug/L		500	400000	1	10/15/14 00:00	10/16/14 19:49	95-95-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

Sample: OCT '14 **Lab ID: 60180206001** Collected: 10/11/14 16:17 Received: 10/13/14 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	------------	----	----------	----------	---------	------

8270 MSSV TCLP Sep Funnel Analytical Method: EPA 8270 Preparation Method: EPA 3510
Leachate Method/Date: EPA 1311; 10/14/14 00:00

2,4,6-Trichlorophenol	ND ug/L		100	2000	1	10/15/14 00:00	10/16/14 19:49	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	95 %		44-120		1	10/15/14 00:00	10/16/14 19:49	4165-60-0	
2-Fluorobiphenyl (S)	77 %		49-120		1	10/15/14 00:00	10/16/14 19:49	321-60-8	
Terphenyl-d14 (S)	84 %		52-122		1	10/15/14 00:00	10/16/14 19:49	1718-51-0	
Phenol-d6 (S)	81 %		36-120		1	10/15/14 00:00	10/16/14 19:49	13127-88-3	
2-Fluorophenol (S)	61 %		37-120		1	10/15/14 00:00	10/16/14 19:49	367-12-4	
2,4,6-Tribromophenol (S)	94 %		36-128		1	10/15/14 00:00	10/16/14 19:49	118-79-6	

8260 MSV TCLP Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 10/14/14 00:00

Benzene	231 ug/L		50.0	500	1		10/16/14 16:28	71-43-2	
2-Butanone (MEK)	17600 ug/L		5000	200000	5		10/20/14 12:31	78-93-3	
Carbon tetrachloride	58.8 ug/L		50.0	500	1		10/16/14 16:28	56-23-5	
Chlorobenzene	72.7 ug/L		50.0	100000	1		10/16/14 16:28	108-90-7	
Chloroform	ND ug/L		200	6000	1		10/16/14 16:28	67-66-3	
1,2-Dichloroethane	ND ug/L		50.0	500	1		10/16/14 16:28	107-06-2	
1,1-Dichloroethene	ND ug/L		50.0	700	1		10/16/14 16:28	75-35-4	
Tetrachloroethene	ND ug/L		50.0	700	1		10/16/14 16:28	127-18-4	
Trichloroethene	ND ug/L		50.0	500	1		10/16/14 16:28	79-01-6	
Vinyl chloride	ND ug/L		20.0	200	1		10/16/14 16:28	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	97 %		80-120		1		10/16/14 16:28	17060-07-0	
Toluene-d8 (S)	101 %		80-120		1		10/16/14 16:28	2037-26-5	
4-Bromofluorobenzene (S)	105 %		80-120		1		10/16/14 16:28	460-00-4	

8260 MSV Analytical Method: EPA 5030B/8260

Acetone	174000 ug/L		2500		250		10/14/14 20:17	67-64-1	
Benzene	1590 ug/L		250		250		10/14/14 20:17	71-43-2	
Bromodichloromethane	ND ug/L		250		250		10/14/14 20:17	75-27-4	
Bromoform	ND ug/L		250		250		10/14/14 20:17	75-25-2	
Bromomethane	ND ug/L		1250		250		10/14/14 20:17	74-83-9	
2-Butanone (MEK)	84300 ug/L		2500		250		10/14/14 20:17	78-93-3	
Carbon tetrachloride	ND ug/L		250		250		10/14/14 20:17	56-23-5	
Chloroethane	ND ug/L		250		250		10/14/14 20:17	75-00-3	
Chloroform	ND ug/L		250		250		10/14/14 20:17	67-66-3	
1,4-Dichlorobenzene	4250 ug/L		250		250		10/14/14 20:17	106-46-7	
1,2-Dichloroethane	ND ug/L		250		250		10/14/14 20:17	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		250		250		10/14/14 20:17	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		250		250		10/14/14 20:17	156-60-5	
Ethylbenzene	1040 ug/L		250		250		10/14/14 20:17	100-41-4	
Methylene chloride	637 ug/L		250		250		10/14/14 20:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	2600 ug/L		2500		250		10/14/14 20:17	108-10-1	
1,1,1,2-Tetrachloroethane	ND ug/L		250		250		10/14/14 20:17	79-34-5	
Tetrachloroethene	ND ug/L		250		250		10/14/14 20:17	127-18-4	
Toluene	602 ug/L		250		250		10/14/14 20:17	108-88-3	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

Sample: OCT '14		Lab ID: 60180206001	Collected: 10/11/14 16:17	Received: 10/13/14 13:50	Matrix: Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260							
1,1,1-Trichloroethane	ND	ug/L	250		250		10/14/14 20:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250		250		10/14/14 20:17	79-00-5	
Trichloroethene	ND	ug/L	250		250		10/14/14 20:17	79-01-6	
Vinyl chloride	ND	ug/L	250		250		10/14/14 20:17	75-01-4	
Xylene (Total)	3300	ug/L	750		250		10/14/14 20:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102 %		80-120		250		10/14/14 20:17	460-00-4	HS
1,2-Dichloroethane-d4 (S)	99 %		80-120		250		10/14/14 20:17	17060-07-0	
Toluene-d8 (S)	102 %		80-120		250		10/14/14 20:17	2037-26-5	
Preservation pH	7.0		0.10		250		10/14/14 20:17		pH
HEM, Oil and Grease		Analytical Method: EPA 1664A							
Oil and Grease	700	mg/L	5.0		1		10/15/14 15:28		
2540B Total Solids		Analytical Method: SM 2540B							
Total Solids	33500	mg/L	5.0		1		10/17/14 10:02		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

Sample: TRIP BLANK		Lab ID: 60180206002	Collected: 10/11/14 16:17	Received: 10/13/14 13:50	Matrix: Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260							
Acetone	ND ug/L		10.0		1		10/14/14 16:35	67-64-1	
Benzene	ND ug/L		1.0		1		10/14/14 16:35	71-43-2	
Bromodichloromethane	ND ug/L		1.0		1		10/14/14 16:35	75-27-4	
Bromoform	ND ug/L		1.0		1		10/14/14 16:35	75-25-2	
Bromomethane	ND ug/L		5.0		1		10/14/14 16:35	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0		1		10/14/14 16:35	78-93-3	
Carbon tetrachloride	ND ug/L		1.0		1		10/14/14 16:35	56-23-5	
Chloroethane	ND ug/L		1.0		1		10/14/14 16:35	75-00-3	
Chloroform	ND ug/L		1.0		1		10/14/14 16:35	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0		1		10/14/14 16:35	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0		1		10/14/14 16:35	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0		1		10/14/14 16:35	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0		1		10/14/14 16:35	156-60-5	
Ethylbenzene	ND ug/L		1.0		1		10/14/14 16:35	100-41-4	
Methylene chloride	ND ug/L		1.0		1		10/14/14 16:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0		1		10/14/14 16:35	108-10-1	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0		1		10/14/14 16:35	79-34-5	
Tetrachloroethene	ND ug/L		1.0		1		10/14/14 16:35	127-18-4	
Toluene	ND ug/L		1.0		1		10/14/14 16:35	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0		1		10/14/14 16:35	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0		1		10/14/14 16:35	79-00-5	
Trichloroethene	ND ug/L		1.0		1		10/14/14 16:35	79-01-6	
Vinyl chloride	ND ug/L		1.0		1		10/14/14 16:35	75-01-4	
Xylene (Total)	ND ug/L		3.0		1		10/14/14 16:35	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97 %		80-120		1		10/14/14 16:35	460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		80-120		1		10/14/14 16:35	17060-07-0	
Toluene-d8 (S)	98 %		80-120		1		10/14/14 16:35	2037-26-5	
Preservation pH	1.0		0.10		1		10/14/14 16:35		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

QC Batch: MERP/8916 Analysis Method: EPA 7470
 QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
 Associated Lab Samples: 60180206001

METHOD BLANK: 1460555 Matrix: Water
 Associated Lab Samples: 60180206001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.0020	10/16/14 13:17	

LABORATORY CONTROL SAMPLE: 1460556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.005	0.0054	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460557 1460558

Parameter	Units	60180110001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	<0.0020	.015	.015	0.016	0.016	105	107	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

QC Batch: MPRP/29329 Analysis Method: EPA 6010
 QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
 Associated Lab Samples: 60180206001

METHOD BLANK: 1460576 Matrix: Water
 Associated Lab Samples: 60180206001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.50	10/15/14 15:39	
Barium	mg/L	ND	2.5	10/15/14 15:39	
Cadmium	mg/L	ND	0.050	10/15/14 15:39	
Chromium	mg/L	ND	0.10	10/15/14 15:39	
Lead	mg/L	ND	0.50	10/15/14 15:39	
Selenium	mg/L	ND	0.50	10/15/14 15:39	
Silver	mg/L	ND	0.10	10/15/14 15:39	

LABORATORY CONTROL SAMPLE: 1460577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	0.97	97	80-120	
Barium	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	1	0.97	97	80-120	
Chromium	mg/L	1	0.93	93	80-120	
Lead	mg/L	1	0.99	99	80-120	
Selenium	mg/L	1	0.98	98	80-120	
Silver	mg/L	.5	0.47	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460578 1460579

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		Spike Conc.	Result	Spike Conc.	Result							
Arsenic	mg/L	ND	10	10	9.4	9.4	94	94	75-125	0	20	
Barium	mg/L	ND	10	10	9.4	9.5	93	94	75-125	1	20	
Cadmium	mg/L	ND	10	10	9.3	9.3	93	93	75-125	0	20	
Chromium	mg/L	ND	10	10	8.8	8.9	88	89	75-125	0	20	
Lead	mg/L	ND	10	10	9.3	9.3	92	92	75-125	0	20	
Selenium	mg/L	ND	10	10	9.5	9.4	95	93	75-125	2	20	
Silver	mg/L	ND	5	5	4.5	4.5	91	90	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

QC Batch: MSV/65106 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
 Associated Lab Samples: 60180206001

METHOD BLANK: 1461317 Matrix: Water

Associated Lab Samples: 60180206001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	10/16/14 14:56	
1,2-Dichloroethane	ug/L	ND	50.0	10/16/14 14:56	
Benzene	ug/L	ND	50.0	10/16/14 14:56	
Carbon tetrachloride	ug/L	ND	50.0	10/16/14 14:56	
Chlorobenzene	ug/L	ND	50.0	10/16/14 14:56	
Chloroform	ug/L	ND	200	10/16/14 14:56	
Tetrachloroethene	ug/L	ND	50.0	10/16/14 14:56	
Trichloroethene	ug/L	ND	50.0	10/16/14 14:56	
Vinyl chloride	ug/L	ND	20.0	10/16/14 14:56	
1,2-Dichloroethane-d4 (S)	%	96	80-120	10/16/14 14:56	
4-Bromofluorobenzene (S)	%	100	80-120	10/16/14 14:56	
Toluene-d8 (S)	%	100	80-120	10/16/14 14:56	

LABORATORY CONTROL SAMPLE: 1461318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	1000	1150	115	78-126	
1,2-Dichloroethane	ug/L	1000	968	97	77-123	
Benzene	ug/L	1000	1010	101	80-120	
Carbon tetrachloride	ug/L	1000	1120	112	78-128	
Chlorobenzene	ug/L	1000	1010	101	80-120	
Chloroform	ug/L	1000	1050	105	79-120	
Tetrachloroethene	ug/L	1000	1080	108	80-121	
Trichloroethene	ug/L	1000	1110	111	80-120	
Vinyl chloride	ug/L	1000	1120	112	59-120	
1,2-Dichloroethane-d4 (S)	%			93	80-120	
4-Bromofluorobenzene (S)	%			104	80-120	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE SAMPLE: 1461319

Parameter	Units	60179953002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	1000	822	82	60-144	
1,2-Dichloroethane	ug/L	ND	1000	945	94	49-148	
Benzene	ug/L	ND	1000	866	87	37-157	
Carbon tetrachloride	ug/L	ND	1000	771	77	68-142	
Chlorobenzene	ug/L	ND	1000	890	89	66-133	
Chloroform	ug/L	ND	1000	949	95	66-127	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

MATRIX SPIKE SAMPLE:		1461319						
Parameter	Units	60179953002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers	
Tetrachloroethene	ug/L	ND	1000	874	87	69-133		
Trichloroethene	ug/L	ND	1000	935	94	61-135		
Vinyl chloride	ug/L	ND	1000	622	62	44-128		
1,2-Dichloroethane-d4 (S)	%				95	80-120		
4-Bromofluorobenzene (S)	%				97	80-120		
Toluene-d8 (S)	%				102	80-120		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

QC Batch:	MSV/65198	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV TCLP
Associated Lab Samples:	60180206001		

METHOD BLANK: 1463803 Matrix: Water

Associated Lab Samples: 60180206001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Butanone (MEK)	ug/L	ND	1000	10/20/14 12:17	
1,2-Dichloroethane-d4 (S)	%	105	80-120	10/20/14 12:17	
4-Bromofluorobenzene (S)	%	93	80-120	10/20/14 12:17	
Toluene-d8 (S)	%	94	80-120	10/20/14 12:17	

LABORATORY CONTROL SAMPLE: 1463804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	1000	1010	101	52-145	
1,2-Dichloroethane-d4 (S)	%			109	80-120	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			97	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

QC Batch: MSV/65058 Analysis Method: EPA 5030B/8260
 QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
 Associated Lab Samples: 60180206001, 60180206002

METHOD BLANK: 1459640 Matrix: Water

Associated Lab Samples: 60180206001, 60180206002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/14/14 16:20	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/14/14 16:20	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/14/14 16:20	
1,2-Dichloroethane	ug/L	ND	1.0	10/14/14 16:20	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/14/14 16:20	
2-Butanone (MEK)	ug/L	ND	10.0	10/14/14 16:20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/14/14 16:20	
Acetone	ug/L	ND	10.0	10/14/14 16:20	
Benzene	ug/L	ND	1.0	10/14/14 16:20	
Bromodichloromethane	ug/L	ND	1.0	10/14/14 16:20	
Bromoform	ug/L	ND	1.0	10/14/14 16:20	
Bromomethane	ug/L	ND	5.0	10/14/14 16:20	
Carbon tetrachloride	ug/L	ND	1.0	10/14/14 16:20	
Chloroethane	ug/L	ND	1.0	10/14/14 16:20	
Chloroform	ug/L	ND	1.0	10/14/14 16:20	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/14/14 16:20	
Ethylbenzene	ug/L	ND	1.0	10/14/14 16:20	
Methylene chloride	ug/L	ND	1.0	10/14/14 16:20	
Tetrachloroethene	ug/L	ND	1.0	10/14/14 16:20	
Toluene	ug/L	ND	1.0	10/14/14 16:20	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/14/14 16:20	
Trichloroethene	ug/L	ND	1.0	10/14/14 16:20	
Vinyl chloride	ug/L	ND	1.0	10/14/14 16:20	
Xylene (Total)	ug/L	ND	3.0	10/14/14 16:20	
1,2-Dichloroethane-d4 (S)	%	105	80-120	10/14/14 16:20	
4-Bromofluorobenzene (S)	%	96	80-120	10/14/14 16:20	
Toluene-d8 (S)	%	99	80-120	10/14/14 16:20	

LABORATORY CONTROL SAMPLE: 1459641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.6	108	80-121	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	73-124	
1,1,2-Trichloroethane	ug/L	20	21.8	109	80-120	
1,2-Dichloroethane	ug/L	20	21.3	107	77-123	
1,4-Dichlorobenzene	ug/L	20	22.1	111	80-120	
2-Butanone (MEK)	ug/L	100	105	105	52-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	108	108	71-131	
Acetone	ug/L	100	95.3	95	32-155	
Benzene	ug/L	20	21.4	107	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

LABORATORY CONTROL SAMPLE: 1459641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	22.3	112	80-120	
Bromoform	ug/L	20	23.6	118	73-124	
Bromomethane	ug/L	20	17.5	88	31-144	
Carbon tetrachloride	ug/L	20	22.6	113	78-128	
Chloroethane	ug/L	20	17.4	87	55-137	
Chloroform	ug/L	20	21.6	108	79-120	
cis-1,2-Dichloroethene	ug/L	20	20.6	103	80-120	
Ethylbenzene	ug/L	20	22.5	113	80-121	
Methylene chloride	ug/L	20	19.2	96	73-126	
Tetrachloroethene	ug/L	20	22.8	114	80-121	
Toluene	ug/L	20	22.2	111	80-122	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	79-121	
Trichloroethene	ug/L	20	20.5	103	80-120	
Vinyl chloride	ug/L	20	16.5	83	59-120	
Xylene (Total)	ug/L	60	70.2	117	80-121	
1,2-Dichloroethane-d4 (S)	%			101	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			103	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

QC Batch:	OEXT/4834	Analysis Method:	EPA 8081
QC Batch Method:	EPA 3510	Analysis Description:	8081 GCS TCLP Pesticides
Associated Lab Samples:	60180206001		

METHOD BLANK: 101725 Matrix: Water

Associated Lab Samples: 60180206001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.000010	10/17/14 16:15	
Endrin	mg/L	ND	0.0000010	10/17/14 16:15	
gamma-BHC (Lindane)	mg/L	ND	0.0000010	10/17/14 16:15	
Heptachlor	mg/L	ND	0.0000010	10/17/14 16:15	
Heptachlor epoxide	mg/L	ND	0.0000010	10/17/14 16:15	
Methoxychlor	mg/L	ND	0.0000010	10/17/14 16:15	
Toxaphene	mg/L	ND	0.000030	10/17/14 16:15	
Decachlorobiphenyl (S)	%	83	40-140	10/17/14 16:15	
Tetrachloro-m-xylene (S)	%	80	40-140	10/17/14 16:15	

LABORATORY CONTROL SAMPLE: 101726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlordane (Technical)	mg/L		ND			
Endrin	mg/L	.001	0.00093	93	40-140	
gamma-BHC (Lindane)	mg/L	.001	0.00081	81	40-140	
Heptachlor	mg/L	.001	0.00061	61	40-140	
Heptachlor epoxide	mg/L	.001	0.00089	89	40-140	
Methoxychlor	mg/L	.001	0.00098	98	40-140	
Toxaphene	mg/L		ND			
Decachlorobiphenyl (S)	%			72	40-140	
Tetrachloro-m-xylene (S)	%			78	40-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 101727 101728

Parameter	Units	7519739001 Result	MS Spike Conc.	MSD Spike Conc.	101727		101728		% Rec Limits	RPD	Max RPD	Qual
					MS Result	MSD Result	MS % Rec	MSD % Rec				
Chlordane (Technical)	mg/L	ND			ND	ND						40
Endrin	mg/L	ND	.01	.01	0.0091	0.0097	91	97	40-140	7	40	
gamma-BHC (Lindane)	mg/L	ND	.01	.01	0.0077	0.0081	77	81	40-140	4	40	
Heptachlor	mg/L	ND	.01	.01	0.0064	0.0065	64	65	40-140	2	40	
Heptachlor epoxide	mg/L	ND	.01	.01	0.0085	0.0091	85	91	40-140	7	40	
Methoxychlor	mg/L	ND	.01	.01	0.010	0.011	105	109	40-140	4	40	
Toxaphene	mg/L	ND			ND	ND						40
Decachlorobiphenyl (S)	%						85	94	40-140			
Tetrachloro-m-xylene (S)	%						80	81	40-140			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

QC Batch:	OEXT/4836	Analysis Method:	EPA 8151
QC Batch Method:	EPA 8151	Analysis Description:	8151 GCS TCLP Herbicides
Associated Lab Samples:	60180206001		

METHOD BLANK: 101790 Matrix: Water

Associated Lab Samples: 60180206001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.000050	10/20/14 09:46	
2,4-D	mg/L	ND	0.000050	10/20/14 09:46	
2,4-DCAA (S)	%.	122	40-140	10/20/14 09:46	

LABORATORY CONTROL SAMPLE: 101791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.002	0.0024	121	10-140	
2,4-D	mg/L	.002	0.0023	115	40-140	
2,4-DCAA (S)	%.			119	40-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 101792 101793

Parameter	Units	7519783002		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
2,4,5-TP (Silvex)	mg/L	ND	.02	.02	0.0044	0.0086	22	43	10-140	66	40	R1	
2,4-D	mg/L	ND	.02	.02	0.020	0.026	101	128	40-140	24	40		
2,4-DCAA (S)	%.						104	122	40-140				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

QC Batch:	OEXT/46656	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3510	Analysis Description:	8270 TCLP MSSV
Associated Lab Samples:	60180206001		

METHOD BLANK: 1460559 Matrix: Water

Associated Lab Samples: 60180206001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	10/16/14 18:26	
2,4,5-Trichlorophenol	ug/L	ND	500	10/16/14 18:26	
2,4,6-Trichlorophenol	ug/L	ND	100	10/16/14 18:26	
2,4-Dinitrotoluene	ug/L	ND	100	10/16/14 18:26	
2-Methylphenol(o-Cresol)	ug/L	ND	100	10/16/14 18:26	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	10/16/14 18:26	
Hexachloro-1,3-butadiene	ug/L	ND	100	10/16/14 18:26	
Hexachlorobenzene	ug/L	ND	100	10/16/14 18:26	
Hexachloroethane	ug/L	ND	100	10/16/14 18:26	
Nitrobenzene	ug/L	ND	100	10/16/14 18:26	
Pentachlorophenol	ug/L	ND	500	10/16/14 18:26	
Pyridine	ug/L	ND	100	10/16/14 18:26	
2,4,6-Tribromophenol (S)	%	92	36-128	10/16/14 18:26	
2-Fluorobiphenyl (S)	%	84	49-120	10/16/14 18:26	
2-Fluorophenol (S)	%	77	37-120	10/16/14 18:26	
Nitrobenzene-d5 (S)	%	87	44-120	10/16/14 18:26	
Phenol-d6 (S)	%	79	36-120	10/16/14 18:26	
Terphenyl-d14 (S)	%	85	52-122	10/16/14 18:26	

LABORATORY CONTROL SAMPLE: 1460560

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	374	75	47-120	
2,4,5-Trichlorophenol	ug/L	500	426J	85	51-124	
2,4,6-Trichlorophenol	ug/L	500	429	86	46-120	
2,4-Dinitrotoluene	ug/L	500	469	94	38-120	
2-Methylphenol(o-Cresol)	ug/L	500	402	80	46-120	
3&4-Methylphenol(m&p Cresol)	ug/L	1000	412	41	41-120	
Hexachloro-1,3-butadiene	ug/L	500	399	80	49-120	
Hexachlorobenzene	ug/L	500	428	86	50-120	
Hexachloroethane	ug/L	500	374	75	38-120	
Nitrobenzene	ug/L	500	414	83	49-120	
Pentachlorophenol	ug/L	500	484J	97	35-125	
Pyridine	ug/L	500	249	50	10-120	
2,4,6-Tribromophenol (S)	%			94	36-128	
2-Fluorobiphenyl (S)	%			80	49-120	
2-Fluorophenol (S)	%			73	37-120	
Nitrobenzene-d5 (S)	%			86	44-120	
Phenol-d6 (S)	%			75	36-120	
Terphenyl-d14 (S)	%			85	52-122	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

MATRIX SPIKE SAMPLE:	1460561	60180109001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	500	340	68	48-120	
2,4,5-Trichlorophenol	ug/L	ND	500	434J	87	57-120	
2,4,6-Trichlorophenol	ug/L	ND	500	419	84	48-120	
2,4-Dinitrotoluene	ug/L	ND	500	463	93	38-120	
2-Methylphenol(o-Cresol)	ug/L	ND	500	376	75	48-120	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	1000	380	38	47-120	M1
Hexachloro-1,3-butadiene	ug/L	ND	500	368	74	49-120	
Hexachlorobenzene	ug/L	ND	500	440	88	53-120	
Hexachloroethane	ug/L	ND	500	342	68	38-120	
Nitrobenzene	ug/L	ND	500	389	78	51-120	
Pentachlorophenol	ug/L	ND	500	493J	99	34-131	
Pyridine	ug/L	ND	500	235	44	10-120	
2,4,6-Tribromophenol (S)	%				91	36-128	
2-Fluorobiphenyl (S)	%				78	49-120	
2-Fluorophenol (S)	%				65	37-120	
Nitrobenzene-d5 (S)	%				78	44-120	
Phenol-d6 (S)	%				68	36-120	
Terphenyl-d14 (S)	%				85	52-122	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

QC Batch:	WET/50927	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180206001		

METHOD BLANK: 1460923 Matrix: Water
Associated Lab Samples: 60180206001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/15/14 15:26	

LABORATORY CONTROL SAMPLE: 1460924

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.7	99	78-114	

MATRIX SPIKE SAMPLE: 1460926

Parameter	Units	60179984002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	17.3	40.4	75.9	145	78-114	M1

SAMPLE DUPLICATE: 1460925

Parameter	Units	60179794001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	92.7	125	30	18	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

QC Batch: WET/50958

Analysis Method: SM 2540B

QC Batch Method: SM 2540B

Analysis Description: 2540B Total Solids

Associated Lab Samples: 60180206001

METHOD BLANK: 1462090

Matrix: Water

Associated Lab Samples: 60180206001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	mg/L	ND	5.0	10/17/14 10:01	

LABORATORY CONTROL SAMPLE: 1462091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	mg/L	1000	936	94	80-120	

SAMPLE DUPLICATE: 1462092

Parameter	Units	60180206001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	mg/L	33500	33500	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-D Pace Analytical Services - Dallas

PASI-K Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: MSV/65058

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/65198

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON UNTREATED COMMINGLED

Pace Project No.: 60180206

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180206001	OCT '14	EPA 3510	OEXT/4834	EPA 8081	GCSV/3073
60180206001	OCT '14	EPA 8151	OEXT/4836	EPA 8151	GCSV/3077
60180206001	OCT '14	EPA 3010	MPRP/29329	EPA 6010	ICP/22038
60180206001	OCT '14	EPA 7470	MERP/8916	EPA 7470	MERC/8872
60180206001	OCT '14	EPA 3510	OEXT/46656	EPA 8270	MSSV/15000
60180206001	OCT '14	EPA 8260	MSV/65106		
60180206001	OCT '14	EPA 8260	MSV/65198		
60180206001	OCT '14	EPA 5030B/8260	MSV/65058		
60180206002	TRIP BLANK	EPA 5030B/8260	MSV/65058		
60180206001	OCT '14	EPA 1664A	WET/50927		
60180206001	OCT '14	SM 2540B	WET/50958		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180206



Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other Xroad

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other Ziploc

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun

Cooler Temperature: 3.0

Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: pu 10/13/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5. <u>Received unreserved vials</u>
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>NT</u>		13.
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Exceptions: <u>VOA</u> , coliform, TOC, <u>D&G</u> , WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative
Pace Trip Blank lot # (if purchased): <u>081014-3</u>		15.
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16. <u>3 of 3 b can have head space. -Apply COMMENT</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: [Signature]

Section A

Required Client Information:

Company: BARR ENGINEERING
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B

Required Project Information:

Report To: ED GALBRAITH/BARR
Copy To: SCOTT FEDAK/FEEZOR
DANA BAKER/MARGARET TREANOR-BARR
Purchase Order No.:
Project Name: BRIDGETON UNTREATED COMMINGLED
Project Number:

Section C

Invoice Information:

Attention: AMY HARGROVE/BRIAN POWER
Company Name: REPUBLIC SERVICES
Address: BRIDGETON, MO 63044
Pace Quote Reference:
Pace Project Manager: Angie Brown 913-563-1402
Pace Profile #: PROFILE 7585-LINE 6

Page: of

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____
Site Location: MO
STATE: MO

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE		COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)				Pace Project No./ Lab I.D.						
		(see valid codes to left)	(G=GRAB C=COMP)	COMPOSITE START	COMPOSITE END/GRAB			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	8260 Volatiles **	TCLP Volatiles *	Total Solids/water matrix		Oil and Grease	TCLP SEMI-VOLATILES	TCLP RCRA 8	TCLP HERBICIDES	TCLP PESTICIDES	Residual Chlorine (Y/N)
1	Oct 14 13P30 24635				10/14 147		3											X	X	X	X	30694	X	X	X	** total VOCs Bridgeton List
2	TRIP BLANK	WT	G				2											X				20694				* footnote %dry solids TCLP
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[Signature]	10-13-14	0905	[Signature]	10-13-14	0905				
				[Signature]	10/13/14	1350	3-B	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Hunter King
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 10/14/14

Temp in °C
Received on ice (Y/N)
Custody Sealed Cooler (Y/N)
Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

TCLP/SPLP Determination of Percent Solids
(Only if sample is liquid or semi-liquid. Skip if sample is obviously 100% solid.)

Date: 10/15/14 Batch: 6040
Analyst: CEM Balance ID: 1000XT5 Reviewed by: [Signature]

Sample Number	A Weight of Beaker (g)	B Weight of Sample & Beaker (g)	C Weight of Filtrate Container (g)	D Weight of 142-mm TCLP Filter (g)	E Weight of Waste Beaker After Filtration (g)	F Weight of Filtrate & Container (g)	G Weight of Filter and Solid Phase After Filtration (g)	H Weight of Filtrate (g) (F - C)	I Weight of Waste Filtered (g) (E - B)	J Percent WET Solids $\left(\frac{I - H}{I \times 0.01}\right)$	K DRY Weight #1 of Solid Phase plus Filter (g)	L DRY Weight #2 of Solid Phase plus Filter (g) (1)	M Percent DRY Solids $\left(\frac{L - D}{I \times 0.01}\right)$	If Multiphase, Are Phases Compatible (2)
60180206001	115.9	255.7	249.7	1.3	116.6	417.3	3.5	133.6	139.1	3.9%	1.3	—	0	Yes / No / NA
														Yes / No / NA
														Yes / No / NA
														Yes / No / NA
														Yes / No / NA
														Yes / No / NA
														Yes / No / NA
														Yes / No / NA
														Yes / No / NA
														Yes / No / NA
														Yes / No / NA

CEM
10/15/14

NOTE: If Wet Solids are ≥ 0.5 and $< 5\%$ and a small amount of liquid is entrapped in the filter, then determine Percent Dry Solids. If the entrapped liquid is oily (non-aqueous) do not determine Percent Dry Solids. If Solids are $< 0.5\%$, tumbling is not required because the filtrate is considered to be the TCLP/SPLP extract.

- (1) Dry Weight #1 and Dry Weight #2 must be within 1% of each other. If the weights are within 1% of each other, use Dry Weight #2 in further calculations. If not within 1%, continue drying and weighing until two successive weighings are within 1%.
- (2) If compatible, combine the filtered liquid resulting from extraction with the initial liquid phase of sample. If the initial liquid phase is not compatible with the filtered liquid resulting from extraction, do not combine. Analyze liquids separately and combine the results mathematically.

If solids are ≥ 5.0 and $< 100\%$	Weight of waste to charge the ZHE = $\frac{25}{\text{Percent solids}} \times 100$
	Weight of waste to filter = $\frac{\text{mL of leachate required}}{20 \times \text{Percent solids}} \times 100$

October 22, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101


RE: Project: BRIDGETON LF T1-035
Pace Project No.: 60180311

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180311001	T1-035	Water	10/13/14 15:31	10/15/14 02:45
60180311002	TRIP BLANK	Water	10/13/14 15:31	10/15/14 02:45

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180311001	T1-035	EPA 200.7	JGP	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180311002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

Sample: T1-035	Lab ID: 60180311001	Collected: 10/13/14 15:31	Received: 10/15/14 02:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	5080 ug/L		375	1	10/16/14 09:45	10/21/14 08:34	7429-90-5	
Antimony	ND ug/L		50.0	1	10/16/14 09:45	10/21/14 08:34	7440-36-0	
Arsenic	399 ug/L		50.0	1	10/16/14 09:45	10/21/14 08:34	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/16/14 09:45	10/21/14 08:34	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/16/14 09:45	10/21/14 08:34	7440-43-9	
Chromium	136 ug/L		25.0	1	10/16/14 09:45	10/21/14 08:34	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/16/14 09:45	10/21/14 08:34	7440-48-4	
Copper	ND ug/L		50.0	1	10/16/14 09:45	10/21/14 08:34	7440-50-8	
Iron	412000 ug/L		250	1	10/16/14 09:45	10/21/14 08:34	7439-89-6	M1,R1
Lead	82.8 ug/L		25.0	1	10/16/14 09:45	10/21/14 08:34	7439-92-1	
Nickel	74.1 ug/L		25.0	1	10/16/14 09:45	10/21/14 08:34	7440-02-0	
Selenium	ND ug/L		75.0	1	10/16/14 09:45	10/21/14 08:34	7782-49-2	
Silver	ND ug/L		35.0	1	10/16/14 09:45	10/21/14 08:34	7440-22-4	
Thallium	ND ug/L		100	1	10/16/14 09:45	10/21/14 08:34	7440-28-0	
Zinc	3590 ug/L		250	1	10/16/14 09:45	10/21/14 08:34	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/20/14 13:00	10/21/14 11:21	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/20/14 13:00	10/21/14 11:21	7440-36-0	
Arsenic, Dissolved	226 ug/L		50.0	1	10/20/14 13:00	10/21/14 11:21	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/20/14 13:00	10/21/14 11:21	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:21	7440-43-9	
Chromium, Dissolved	54.2 ug/L		25.0	1	10/20/14 13:00	10/21/14 11:21	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:21	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/20/14 13:00	10/21/14 11:21	7440-50-8	
Iron, Dissolved	90400 ug/L		250	1	10/20/14 13:00	10/21/14 11:21	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:21	7439-92-1	
Nickel, Dissolved	45.0 ug/L		25.0	1	10/20/14 13:00	10/21/14 11:21	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/20/14 13:00	10/21/14 11:21	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/20/14 13:00	10/21/14 11:21	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/20/14 13:00	10/21/14 11:21	7440-28-0	
Zinc, Dissolved	343 ug/L		250	1	10/20/14 13:00	10/21/14 11:21	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	10/16/14 14:45	10/17/14 09:26	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/17/14 14:30	10/18/14 12:49	7439-97-6	M1
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/17/14 00:00	10/19/14 20:01	534-52-1	M1
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:01	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:01	77-47-4	M1
Hexachloroethane	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:01	67-72-1	M1
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/17/14 00:00	10/19/14 20:01	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2130 ug/L		2000	1	10/17/14 00:00	10/19/14 20:01		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

Sample: T1-035	Lab ID: 60180311001	Collected: 10/13/14 15:31	Received: 10/15/14 02:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:01	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:01	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:01	87-86-5	
Phenol	2990 ug/L		500	1	10/17/14 00:00	10/19/14 20:01	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:01	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:01	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	106 %		33-120	1	10/17/14 00:00	10/19/14 20:01	4165-60-0	
2-Fluorobiphenyl (S)	95 %		39-120	1	10/17/14 00:00	10/19/14 20:01	321-60-8	
Terphenyl-d14 (S)	104 %		45-120	1	10/17/14 00:00	10/19/14 20:01	1718-51-0	
Phenol-d6 (S)	31 %		11-120	1	10/17/14 00:00	10/19/14 20:01	13127-88-3	
2-Fluorophenol (S)	46 %		17-120	1	10/17/14 00:00	10/19/14 20:01	367-12-4	
2,4,6-Tribromophenol (S)	87 %		39-120	1	10/17/14 00:00	10/19/14 20:01	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	24500 ug/L		1000	100		10/17/14 10:13	67-64-1	N2
Benzene	ND ug/L		100	100		10/17/14 10:13	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/17/14 10:13	75-27-4	
Bromoform	ND ug/L		100	100		10/17/14 10:13	75-25-2	
Bromomethane	ND ug/L		500	100		10/17/14 10:13	74-83-9	
2-Butanone (MEK)	10700 ug/L		1000	100		10/17/14 10:13	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/17/14 10:13	56-23-5	
Chloroethane	ND ug/L		100	100		10/17/14 10:13	75-00-3	
Chloroform	ND ug/L		100	100		10/17/14 10:13	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/17/14 10:13	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/17/14 10:13	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/17/14 10:13	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/17/14 10:13	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/17/14 10:13	100-41-4	
Methylene chloride	ND ug/L		100	100		10/17/14 10:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/17/14 10:13	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/17/14 10:13	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/17/14 10:13	127-18-4	
Toluene	ND ug/L		100	100		10/17/14 10:13	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/17/14 10:13	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/17/14 10:13	79-00-5	
Trichloroethene	ND ug/L		100	100		10/17/14 10:13	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/17/14 10:13	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/17/14 10:13	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	103 %		80-120	100		10/17/14 10:13	460-00-4	
Toluene-d8 (S)	96 %		80-120	100		10/17/14 10:13	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	100		10/17/14 10:13	17060-07-0	
Preservation pH	6.0		1.0	100		10/17/14 10:13		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	125 mg/L		5.0	1		10/16/14 16:44		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

Sample: T1-035		Lab ID: 60180311001	Collected: 10/13/14 15:31	Received: 10/15/14 02:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/16/14 17:06		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3440	mg/L	5.0	1		10/16/14 11:14		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.9	Std. Units	0.10	1		10/20/14 13:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	9170	mg/L	2.0	1	10/15/14 09:46	10/20/14 09:45		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	180	mg/L	10.0	100		10/17/14 15:39	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	19300	mg/L	2500	250		10/21/14 07:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

Sample: TRIP BLANK		Lab ID: 60180311002	Collected: 10/13/14 15:31	Received: 10/15/14 02:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/17/14 11:10	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/17/14 11:10	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/17/14 11:10	75-27-4	
Bromoform	ND ug/L		1.0	1		10/17/14 11:10	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/17/14 11:10	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/17/14 11:10	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/17/14 11:10	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/17/14 11:10	75-00-3	
Chloroform	ND ug/L		1.0	1		10/17/14 11:10	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/17/14 11:10	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/17/14 11:10	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/17/14 11:10	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/17/14 11:10	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/17/14 11:10	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/17/14 11:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/17/14 11:10	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/17/14 11:10	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/17/14 11:10	127-18-4	
Toluene	ND ug/L		1.0	1		10/17/14 11:10	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/17/14 11:10	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/17/14 11:10	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/17/14 11:10	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/17/14 11:10	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/17/14 11:10	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	102 %		80-120	1		10/17/14 11:10	460-00-4	
Toluene-d8 (S)	95 %		80-120	1		10/17/14 11:10	2037-26-5	
1,2-Dichloroethane-d4 (S)	105 %		80-120	1		10/17/14 11:10	17060-07-0	
Preservation pH	6.0		1.0	1		10/17/14 11:10		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch: MERP/8921 Analysis Method: EPA 245.1
 QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
 Associated Lab Samples: 60180311001

METHOD BLANK: 1461442 Matrix: Water

Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/17/14 09:10	

LABORATORY CONTROL SAMPLE: 1461443

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461444 1461445

Parameter	Units	60180186001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	150	150	87.6	84.0	58	56	70-130	4	20	M1

MATRIX SPIKE SAMPLE: 1461446

Parameter	Units	60180187001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	95.1	62	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch: MERP/8926

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60180311001

METHOD BLANK: 1462607

Matrix: Water

Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/18/14 12:44	

LABORATORY CONTROL SAMPLE: 1462608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1462609 1462610

Parameter	Units	60180311001		MS		MSD		% Rec		Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Mercury, Dissolved	ug/L	ND	150	150	150	91.8	91.2	61	61	70-130	1	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch:	MPRP/29355	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	60180311001		

METHOD BLANK: 1461260 Matrix: Water

Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/21/14 08:27	
Antimony	ug/L	ND	10.0	10/21/14 08:27	
Arsenic	ug/L	ND	10.0	10/21/14 08:27	
Beryllium	ug/L	ND	1.0	10/21/14 08:27	
Cadmium	ug/L	ND	5.0	10/21/14 08:27	
Chromium	ug/L	ND	5.0	10/21/14 08:27	
Cobalt	ug/L	ND	5.0	10/21/14 08:27	
Copper	ug/L	ND	10.0	10/21/14 08:27	
Iron	ug/L	ND	50.0	10/21/14 08:27	
Lead	ug/L	ND	5.0	10/21/14 08:27	
Nickel	ug/L	ND	5.0	10/21/14 08:27	
Selenium	ug/L	ND	15.0	10/21/14 08:27	
Silver	ug/L	ND	7.0	10/21/14 08:27	
Thallium	ug/L	ND	20.0	10/21/14 08:27	
Zinc	ug/L	ND	50.0	10/21/14 08:27	

LABORATORY CONTROL SAMPLE: 1461261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	8890	89	85-115	
Antimony	ug/L	1000	889	89	85-115	
Arsenic	ug/L	1000	859	86	85-115	
Beryllium	ug/L	1000	884	88	85-115	
Cadmium	ug/L	1000	881	88	85-115	
Chromium	ug/L	1000	886	89	85-115	
Cobalt	ug/L	1000	907	91	85-115	
Copper	ug/L	1000	885	89	85-115	
Iron	ug/L	10000	8780	88	85-115	
Lead	ug/L	1000	885	88	85-115	
Nickel	ug/L	1000	901	90	85-115	
Selenium	ug/L	1000	857	86	85-115	
Silver	ug/L	500	430	86	85-115	
Thallium	ug/L	1000	905	90	85-115	
Zinc	ug/L	1000	874	87	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461262												1461263											
Parameter	Units	60180311001 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual									
			Spike Conc.	Spike Conc.																			
Aluminum	ug/L	5080	50000	50000	53200	57000	96	104	70-130	7	8												
Antimony	ug/L	ND	5000	5000	4800	5040	96	101	70-130	5	7												
Arsenic	ug/L	399	5000	5000	5210	5540	96	103	70-130	6	10												
Beryllium	ug/L	ND	5000	5000	4570	4760	91	95	70-130	4	7												
Cadmium	ug/L	ND	5000	5000	4780	5010	96	100	70-130	5	10												
Chromium	ug/L	136	5000	5000	4710	4950	91	96	70-130	5	10												
Cobalt	ug/L	ND	5000	5000	4580	4780	91	95	70-130	4	6												
Copper	ug/L	ND	5000	5000	4750	4970	95	99	70-130	4	11												
Iron	ug/L	412000	50000	50000	436000	499000	49	175	70-130	13	10	M1, R1											
Lead	ug/L	82.8	5000	5000	4350	4510	85	89	70-130	4	10												
Nickel	ug/L	74.1	5000	5000	4560	4740	90	93	70-130	4	10												
Selenium	ug/L	ND	5000	5000	4860	5160	97	103	70-130	6	10												
Silver	ug/L	ND	2500	2500	2400	2520	95	100	70-130	5	10												
Thallium	ug/L	ND	5000	5000	4140	4290	82	85	70-130	4	6												
Zinc	ug/L	3590	5000	5000	7760	8480	83	98	70-130	9	11												

MATRIX SPIKE SAMPLE: 1461264											
Parameter	Units	60180319001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	8100	50000
Antimony	ug/L	ND	5000	5230	104	70-130					
Arsenic	ug/L	504	5000	5860	107	70-130					
Beryllium	ug/L	ND	5000	4910	98	70-130					
Cadmium	ug/L	ND	5000	5180	104	70-130					
Chromium	ug/L	150	5000	5100	99	70-130					
Cobalt	ug/L	ND	5000	4950	99	70-130					
Copper	ug/L	ND	5000	5160	103	70-130					
Iron	ug/L	434000	50000	546000	222	70-130	M1				
Lead	ug/L	85.4	5000	4600	90	70-130					
Nickel	ug/L	77.4	5000	4880	96	70-130					
Selenium	ug/L	ND	5000	5320	106	70-130					
Silver	ug/L	ND	2500	2560	102	70-130					
Thallium	ug/L	ND	5000	4400	87	70-130					
Zinc	ug/L	3620	5000	8780	103	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch: MPRP/29387

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180311001

METHOD BLANK: 1463750

Matrix: Water

Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/21/14 11:17	
Antimony, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Arsenic, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Beryllium, Dissolved	ug/L	ND	1.0	10/21/14 11:17	
Cadmium, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Chromium, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Cobalt, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Copper, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Iron, Dissolved	ug/L	ND	50.0	10/21/14 11:17	
Lead, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Nickel, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Selenium, Dissolved	ug/L	ND	15.0	10/21/14 11:17	
Silver, Dissolved	ug/L	ND	7.0	10/21/14 11:17	
Thallium, Dissolved	ug/L	ND	20.0	10/21/14 11:17	
Zinc, Dissolved	ug/L	ND	50.0	10/21/14 11:17	

LABORATORY CONTROL SAMPLE: 1463751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9630	96	85-115	
Antimony, Dissolved	ug/L	1000	981	98	85-115	
Arsenic, Dissolved	ug/L	1000	956	96	85-115	
Beryllium, Dissolved	ug/L	1000	970	97	85-115	
Cadmium, Dissolved	ug/L	1000	968	97	85-115	
Chromium, Dissolved	ug/L	1000	977	98	85-115	
Cobalt, Dissolved	ug/L	1000	994	99	85-115	
Copper, Dissolved	ug/L	1000	952	95	85-115	
Iron, Dissolved	ug/L	10000	9980	100	85-115	
Lead, Dissolved	ug/L	1000	974	97	85-115	
Nickel, Dissolved	ug/L	1000	992	99	85-115	
Selenium, Dissolved	ug/L	1000	952	95	85-115	
Silver, Dissolved	ug/L	500	476	95	85-115	
Thallium, Dissolved	ug/L	1000	955	95	85-115	
Zinc, Dissolved	ug/L	1000	988	99	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

Parameter	Units	1463752		1463753		MS % Rec	MSD % Rec	% Rec	Limits	RPD	Max RPD	Qual
		60180311001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Aluminum, Dissolved	ug/L	ND	50000	50000	48900	48600	97	97	70-130	1	8	
Antimony, Dissolved	ug/L	ND	5000	5000	5050	5040	101	101	70-130	0	7	
Arsenic, Dissolved	ug/L	226	5000	5000	5290	5200	101	100	70-130	2	10	
Beryllium, Dissolved	ug/L	ND	5000	5000	4790	4780	96	96	70-130	0	7	
Cadmium, Dissolved	ug/L	ND	5000	5000	4980	4980	100	100	70-130	0	10	
Chromium, Dissolved	ug/L	54.2	5000	5000	4780	4760	94	94	70-130	0	10	
Cobalt, Dissolved	ug/L	ND	5000	5000	4870	4870	97	97	70-130	0	6	
Copper, Dissolved	ug/L	ND	5000	5000	5040	4980	100	99	70-130	1	11	
Iron, Dissolved	ug/L	90400	50000	50000	148000	134000	115	86	70-130	10	10	
Lead, Dissolved	ug/L	ND	5000	5000	4700	4730	94	94	70-130	1	10	
Nickel, Dissolved	ug/L	45.0	5000	5000	4840	4850	96	96	70-130	0	10	
Selenium, Dissolved	ug/L	ND	5000	5000	5050	5060	101	101	70-130	0	10	
Silver, Dissolved	ug/L	ND	2500	2500	2450	2420	98	97	70-130	1	10	
Thallium, Dissolved	ug/L	ND	5000	5000	4560	4610	91	92	70-130	1	6	
Zinc, Dissolved	ug/L	343	5000	5000	5030	5020	94	93	70-130	0	11	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch: MSV/65144 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60180311001, 60180311002

METHOD BLANK: 1462199 Matrix: Water

Associated Lab Samples: 60180311001, 60180311002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/17/14 09:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/17/14 09:31	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/17/14 09:31	
1,2-Dichloroethane	ug/L	ND	1.0	10/17/14 09:31	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/17/14 09:31	
2-Butanone (MEK)	ug/L	ND	10.0	10/17/14 09:31	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/17/14 09:31	N2
Acetone	ug/L	ND	10.0	10/17/14 09:31	N2
Benzene	ug/L	ND	1.0	10/17/14 09:31	
Bromodichloromethane	ug/L	ND	1.0	10/17/14 09:31	
Bromoform	ug/L	ND	1.0	10/17/14 09:31	
Bromomethane	ug/L	ND	5.0	10/17/14 09:31	
Carbon tetrachloride	ug/L	ND	1.0	10/17/14 09:31	
Chloroethane	ug/L	ND	1.0	10/17/14 09:31	
Chloroform	ug/L	ND	1.0	10/17/14 09:31	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/17/14 09:31	N2
Ethylbenzene	ug/L	ND	1.0	10/17/14 09:31	
Methylene chloride	ug/L	ND	1.0	10/17/14 09:31	
Tetrachloroethene	ug/L	ND	1.0	10/17/14 09:31	
Toluene	ug/L	ND	1.0	10/17/14 09:31	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/17/14 09:31	
Trichloroethene	ug/L	ND	1.0	10/17/14 09:31	
Vinyl chloride	ug/L	ND	1.0	10/17/14 09:31	
Xylene (Total)	ug/L	ND	3.0	10/17/14 09:31	N2
1,2-Dichloroethane-d4 (S)	%	104	80-120	10/17/14 09:31	
4-Bromofluorobenzene (S)	%	105	80-120	10/17/14 09:31	
Toluene-d8 (S)	%	94	80-120	10/17/14 09:31	

LABORATORY CONTROL SAMPLE: 1462200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.3	101	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	22.4	112	67-127	N2
1,1,2-Trichloroethane	ug/L	20	22.0	110	67-124	
1,2-Dichloroethane	ug/L	20	20.7	104	70-126	
1,4-Dichlorobenzene	ug/L	20	21.8	109	74-120	
2-Butanone (MEK)	ug/L	100	90.3	90	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	91.3	91	59-131	N2
Acetone	ug/L	100	88.8	89	38-134	N2
Benzene	ug/L	20	20.5	103	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

LABORATORY CONTROL SAMPLE: 1462200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.0	105	68-125	
Bromoform	ug/L	20	23.1	115	65-127	
Bromomethane	ug/L	20	19.7	98	13-157	
Carbon tetrachloride	ug/L	20	21.5	107	70-131	
Chloroethane	ug/L	20	16.2	81	47-133	
Chloroform	ug/L	20	20.1	101	65-127	
cis-1,2-Dichloroethene	ug/L	20	21.0	105	68-127	N2
Ethylbenzene	ug/L	20	21.4	107	74-122	
Methylene chloride	ug/L	20	17.7	89	64-129	
Tetrachloroethene	ug/L	20	22.6	113	73-125	
Toluene	ug/L	20	19.6	98	69-126	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	66-129	
Trichloroethene	ug/L	20	20.5	102	71-123	
Vinyl chloride	ug/L	20	16.9	84	43-129	
Xylene (Total)	ug/L	60	63.8	106	75-121	N2
1,2-Dichloroethane-d4 (S)	%			96	80-120	
4-Bromofluorobenzene (S)	%			104	80-120	
Toluene-d8 (S)	%			96	80-120	

MATRIX SPIKE SAMPLE: 1462201

Parameter	Units	60180311001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2110	105	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2060	103	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2080	104	52-143	
1,2-Dichloroethane	ug/L	ND	2000	1980	99	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2180	108	33-140	
2-Butanone (MEK)	ug/L	10700	10000	18800	82	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	9860	96	40-160	N2
Acetone	ug/L	24500	10000	29700	52	10-160	N2
Benzene	ug/L	ND	2000	2090	105	37-151	
Bromodichloromethane	ug/L	ND	2000	2030	102	35-142	
Bromoform	ug/L	ND	2000	2250	113	45-142	
Bromomethane	ug/L	ND	2000	1940	97	10-158	
Carbon tetrachloride	ug/L	ND	2000	2230	111	70-140	
Chloroethane	ug/L	ND	2000	1730	86	19-152	
Chloroform	ug/L	ND	2000	1980	99	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	1960	98	34-147	N2
Ethylbenzene	ug/L	ND	2000	2250	112	40-142	
Methylene chloride	ug/L	ND	2000	1790	89	31-144	
Tetrachloroethene	ug/L	ND	2000	2360	118	64-148	
Toluene	ug/L	ND	2000	2150	107	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	1980	99	54-151	
Trichloroethene	ug/L	ND	2000	2070	103	71-149	
Vinyl chloride	ug/L	ND	2000	1880	94	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

MATRIX SPIKE SAMPLE:		1462201					
Parameter	Units	60180311001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6840	114	37-144	N2
1,2-Dichloroethane-d4 (S)	%				92	80-120	
4-Bromofluorobenzene (S)	%				99	80-120	
Toluene-d8 (S)	%				100	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch: OEXT/46696 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60180311001

METHOD BLANK: 1462104 Matrix: Water

Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/19/14 09:39	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/19/14 09:39	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/19/14 09:39	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/19/14 09:39	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/19/14 09:39	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/19/14 09:39	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/19/14 09:39	
Hexachloroethane	ug/L	ND	5.0	10/19/14 09:39	
Naphthalene	ug/L	ND	5.0	10/19/14 09:39	
Nitrobenzene	ug/L	ND	5.0	10/19/14 09:39	
Pentachlorophenol	ug/L	ND	5.0	10/19/14 09:39	
Phenol	ug/L	ND	5.0	10/19/14 09:39	
2,4,6-Tribromophenol (S)	%	100	39-120	10/19/14 09:39	
2-Fluorobiphenyl (S)	%	89	39-120	10/19/14 09:39	
2-Fluorophenol (S)	%	46	17-120	10/19/14 09:39	
Nitrobenzene-d5 (S)	%	87	33-120	10/19/14 09:39	
Phenol-d6 (S)	%	29	11-120	10/19/14 09:39	
Terphenyl-d14 (S)	%	96	45-120	10/19/14 09:39	

LABORATORY CONTROL SAMPLE: 1462105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	43.9	88	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.6	99	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	35.9	72	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.4	65	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	56.1	112	40-133	
Hexachloro-1,3-butadiene	ug/L	50	45.0	90	44-116	
Hexachlorocyclopentadiene	ug/L	100	47.6	48	24-120	
Hexachloroethane	ug/L	50	41.1	82	43-113	
Naphthalene	ug/L	50	44.5	89	48-120	
Nitrobenzene	ug/L	50	45.4	91	48-120	
Pentachlorophenol	ug/L	50	55.3	111	47-120	
Phenol	ug/L	50	16.8	34	16-112	
2,4,6-Tribromophenol (S)	%			114	39-120	
2-Fluorobiphenyl (S)	%			92	39-120	
2-Fluorophenol (S)	%			46	17-120	
Nitrobenzene-d5 (S)	%			93	33-120	
Phenol-d6 (S)	%			30	11-120	
Terphenyl-d14 (S)	%			103	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

MATRIX SPIKE SAMPLE:		1462106					
Parameter	Units	60180311001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	4060	81	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4830	97	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3850	77	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	2130	5000	6310	84	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	ND	0	10-160	M1
Hexachloro-1,3-butadiene	ug/L	ND	5000	4190	84	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	ND	0	11-120	M1
Hexachloroethane	ug/L	ND	5000	1960	39	40-113	M1
Naphthalene	ug/L	ND	5000	4250	81	45-120	
Nitrobenzene	ug/L	ND	5000	4620	83	38-120	
Pentachlorophenol	ug/L	ND	5000	2540	48	43-135	
Phenol	ug/L	2990	5000	6850	77	13-112	
2,4,6-Tribromophenol (S)	%				89	39-120	
2-Fluorobiphenyl (S)	%				91	39-120	
2-Fluorophenol (S)	%				51	17-120	
Nitrobenzene-d5 (S)	%				101	33-120	
Phenol-d6 (S)	%				40	11-120	
Terphenyl-d14 (S)	%				97	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch:	WET/50934	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180311001		

METHOD BLANK: 1461152 Matrix: Water

Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/16/14 16:37	

LABORATORY CONTROL SAMPLE: 1461153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.7	97	78-114	

MATRIX SPIKE SAMPLE: 1461154

Parameter	Units	60179744001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	42.0	40.4	89.2	117	78-114	M1

SAMPLE DUPLICATE: 1461155

Parameter	Units	60179765002 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	8.9	12.6	34	18	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch:	WET/50935	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180311001		

METHOD BLANK: 1461158 Matrix: Water

Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/16/14 17:01	

LABORATORY CONTROL SAMPLE: 1461159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.6	118	64-132	

MATRIX SPIKE SAMPLE: 1461160

Parameter	Units	60179744001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.2	16.4	68	64-132	

SAMPLE DUPLICATE: 1461161

Parameter	Units	60179765002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.5J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch:	WET/50938	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60180311001		

METHOD BLANK: 1461192 Matrix: Water

Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/16/14 11:10	

SAMPLE DUPLICATE: 1461193

Parameter	Units	60180144001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	16.0	24.0	40	10	D6

SAMPLE DUPLICATE: 1461194

Parameter	Units	60180176001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	65.0	62.0	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch: WET/51009 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180311001

SAMPLE DUPLICATE: 1463876

Parameter	Units	60180245002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch: WET/50905

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180311001

METHOD BLANK: 1460408

Matrix: Water

Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/20/14 08:55	

LABORATORY CONTROL SAMPLE: 1460409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	182	92	85-115	

SAMPLE DUPLICATE: 1460410

Parameter	Units	60180227004 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	14.0	15.5	10	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch: WETA/31405

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60180311001

METHOD BLANK: 1462226

Matrix: Water

Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/17/14 15:25	

LABORATORY CONTROL SAMPLE: 1462227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 1462228

Parameter	Units	60179048002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.17	2	2.4	111	90-110	M1

SAMPLE DUPLICATE: 1462229

Parameter	Units	60179603002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

QC Batch:	WETA/31432	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180311001		

METHOD BLANK: 1463499 Matrix: Water
Associated Lab Samples: 60180311001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/21/14 06:56	

LABORATORY CONTROL SAMPLE: 1463500

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	46.7	93	90-110	

MATRIX SPIKE SAMPLE: 1463501

Parameter	Units	60179839001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	65.0	50	112	94	90-110	

MATRIX SPIKE SAMPLE: 1463503

Parameter	Units	60180054001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	27.0	50	75.6	97	90-110	

SAMPLE DUPLICATE: 1463502

Parameter	Units	60180047001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	33.9	28.2	18	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-035

Pace Project No.: 60180311

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180311001	T1-035	EPA 200.7	MPRP/29355	EPA 200.7	ICP/22053
60180311001	T1-035	EPA 200.7	MPRP/29387	EPA 200.7	ICP/22076
60180311001	T1-035	EPA 245.1	MERP/8921	EPA 245.1	MERC/8878
60180311001	T1-035	EPA 245.1	MERP/8926	EPA 245.1	MERC/8881
60180311001	T1-035	EPA 625	OEXT/46696	EPA 625	MSSV/15015
60180311001	T1-035	EPA 624 Low	MSV/65144		
60180311002	TRIP BLANK	EPA 624 Low	MSV/65144		
60180311001	T1-035	EPA 1664A	WET/50934		
60180311001	T1-035	EPA 1664A	WET/50935		
60180311001	T1-035	SM 2540D	WET/50938		
60180311001	T1-035	SM 4500-H+B	WET/51009		
60180311001	T1-035	SM 5210B	WET/50905	SM 5210B	WET/50999
60180311001	T1-035	EPA 350.1	WETA/31405		
60180311001	T1-035	EPA 410.4	WETA/31432		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180311



60180311

Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other Xroad

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other 2PIC

Thermometer Used: T-239 / T-194 Type of Ice: Yes Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 3.2

Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: PV 10/15/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>PH BOD</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>Added 2.5 ml of H₂O3 to BPSN. 6.0/3.0</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>Added 1.0 ml of H₂SO₄ to BPS5. 5.0/2.0</u>
Exceptions: <u>VOA</u> coliform, TOC, <u>D&G</u> WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>PV</u> Lot # of added preservative <u>12513</u> <u>12787</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): <u>Cover</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MD</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: [Signature]



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/13/14 13:39
Report Date: 10/14/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4102061-01**
Sample Description: **TK-2**

Collect Date: **10/13/14 07:10**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.043 mg/L		10/14/14 09:58	WPS	200.7 04KS
Zinc	0.073 mg/L		10/14/14 09:58	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.92 mg/L		10/14/14 10:00	WPS	200.7 04KS
Zinc	7.6 mg/L	Q4	10/14/14 10:00	WPS	200.7 04KS

Sample No: **4102061-02**
Sample Description: **TK-3**

Collect Date: **10/13/14 07:10**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.091 mg/L		10/14/14 10:06	WPS	200.7 04KS
Zinc	< 0.050 mg/L		10/14/14 10:06	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.93 mg/L		10/14/14 10:08	WPS	200.7 04KS
Zinc	7.8 mg/L		10/14/14 10:08	WPS	200.7 04KS

Sample No: **4102061-03**
Sample Description: **TK-4**

Collect Date: **10/13/14 07:10**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.12 mg/L		10/14/14 10:17	WPS	200.7 04KS
Zinc	< 0.050 mg/L		10/14/14 10:17	WPS	200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.96 mg/L		10/14/14 10:19	WPS	200.7 04KS
Zinc	7.9 mg/L		10/14/14 10:19	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/13/14 13:39
Report Date: 10/14/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4102061-04**
Sample Description: **Permeate**

Collect Date: **10/13/14 07:10**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Total Metals - STL</u>					
Arsenic	0.085 mg/L		10/14/14 10:21	WPS	200.7 04KS
Zinc	0.053 mg/L		10/14/14 10:21	WPS	200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/13/14 13:39
Report Date: 10/14/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B417460 - 04 EPA 200.2 R2.8								
Blank (B417460-BLK1)			Prepared: 10/13/14 Analyzed: 10/14/14					
Arsenic	< 0.010	mg/L						
Zinc	< 0.020	mg/L						
LCS (B417460-BS1)			Prepared: 10/13/14 Analyzed: 10/14/14					
Arsenic	0.208	mg/L	0.2000		104	85-115		
Zinc	0.216	mg/L	0.2000		108	85-115		
Matrix Spike (B417460-MS1)			Source: 4102061-01			Prepared: 10/13/14 Analyzed: 10/14/14		
Arsenic	1.40	mg/L	0.5000	0.924	96	70-130		
Zinc	Q4 7.26	mg/L	0.5000	7.60	NR	70-130		
Matrix Spike Dup (B417460-MSD1)			Source: 4102061-01			Prepared: 10/13/14 Analyzed: 10/14/14		
Arsenic	1.47	mg/L	0.5000	0.924	110	70-130	5	20
Zinc	Q4 7.87	mg/L	0.5000	7.60	54	70-130	8	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B417460 - 04 EPA 200.2 R2.8								
Blank (B417460-BLK1)			Prepared: 10/13/14 Analyzed: 10/14/14					
Arsenic	< 0.010	mg/L						
Zinc	< 0.020	mg/L						
LCS (B417460-BS1)			Prepared: 10/13/14 Analyzed: 10/14/14					
Arsenic	0.208	mg/L	0.2000		104	85-115		
Zinc	0.216	mg/L	0.2000		108	85-115		



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/13/14 13:39
Report Date: 10/14/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications; Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
TNI Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS Lab No. E-10389
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 171050
Drinking Water Certifications: Missouri (1050)
Missouri Department of Natural Resources

Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

Certified by: Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
3278 N. Highway 67 (Lindbergh)
Florissant, MO 63033
 www.pdclab.com

CHAIN OF CUSTODY RECORD
 Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected MO

(Instructions/Sample Acceptance Policy on Reverse)

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1	CLIENT BLF	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED			3	ANALYSIS REQUESTED				4 (FOR LAB USE ONLY)	
	ADDRESS	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS				TOTAL ZINC	TOTAL ARSENIC	DISS ZINC	DISS ARSENIC		LOGIN # 4102061
	CITY STATE ZIP BRIDGETON, MO	SAMPLER K PICHEE		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID LCHT-LEACHATE NAL-NON-AQUEOUS SOIL-SOILS									LOGGED BY: HE
	CONTACT PERSON M KEEN	SAMPLER'S SIGNATURE <i>[Signature]</i>											LAB PROJ. #
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE	MATRIX TYPE	Bottle Count	REMARKS						
	TK-2	10-13-14	7:10	X	VW	2	X	X	X	X			
	TK-3	10-13-14	7:10	X	WW	2	X	X	X	X			
	TK-4	10-13-14	7:10	X	WW	2	X	X	X	X			
	PERMEATE	10-13-14		X	WW	1	X	X					
5		TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)				6							
NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) <i>Fastrak™</i> (3 Bus. Days) 1-2 Bus. Days Same Day		DATE DUE _____				The sample temperature will be measured upon receipt at the lab. By initiating this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initiating this area, you allow the lab to proceed with analytical testing regardless of the sample temperature. _____							
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE		7				8							
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 10-13-14	TIME 12:25	RECEIVED BY: <i>[Signature]</i>		DATE 10/13/14	TIME 12:25	COMMENTS:(FOR LAB USE ONLY)					
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 10-13-14	TIME 12:50	RECEIVED BY: <i>[Signature]</i>		DATE 10/13/14	TIME 12:50	SAMPLE TEMPERATURE UPON RECEIPT CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE					
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:		DATE	TIME	22.0 Y OR N Y OR N Y OR N Y OR N					
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY:		DATE	TIME						

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

October 22, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

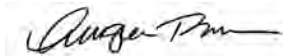
RE: Project: BRIDGETON LF T1-036
Pace Project No.: 60180319

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180319001	T1-036	Water	10/14/14 10:26	10/15/14 02:45
60180319002	TRIP BLANK	Water	10/14/14 10:26	10/15/14 02:45

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180319001	T1-036	EPA 200.7	JGP	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180319002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

Sample: T1-036	Lab ID: 60180319001	Collected: 10/14/14 10:26	Received: 10/15/14 02:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	8100 ug/L		375	1	10/16/14 09:45	10/21/14 08:45	7429-90-5	
Antimony	ND ug/L		50.0	1	10/16/14 09:45	10/21/14 08:45	7440-36-0	
Arsenic	504 ug/L		50.0	1	10/16/14 09:45	10/21/14 08:45	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/16/14 09:45	10/21/14 08:45	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/16/14 09:45	10/21/14 08:45	7440-43-9	
Chromium	150 ug/L		25.0	1	10/16/14 09:45	10/21/14 08:45	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/16/14 09:45	10/21/14 08:45	7440-48-4	
Copper	ND ug/L		50.0	1	10/16/14 09:45	10/21/14 08:45	7440-50-8	
Iron	434000 ug/L		250	1	10/16/14 09:45	10/21/14 08:45	7439-89-6	M1
Lead	85.4 ug/L		25.0	1	10/16/14 09:45	10/21/14 08:45	7439-92-1	
Nickel	77.4 ug/L		25.0	1	10/16/14 09:45	10/21/14 08:45	7440-02-0	
Selenium	ND ug/L		75.0	1	10/16/14 09:45	10/21/14 08:45	7782-49-2	
Silver	ND ug/L		35.0	1	10/16/14 09:45	10/21/14 08:45	7440-22-4	
Thallium	ND ug/L		100	1	10/16/14 09:45	10/21/14 08:45	7440-28-0	
Zinc	3620 ug/L		250	1	10/16/14 09:45	10/21/14 08:45	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/20/14 13:00	10/21/14 11:28	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/20/14 13:00	10/21/14 11:28	7440-36-0	
Arsenic, Dissolved	303 ug/L		50.0	1	10/20/14 13:00	10/21/14 11:28	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/20/14 13:00	10/21/14 11:28	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:28	7440-43-9	
Chromium, Dissolved	68.1 ug/L		25.0	1	10/20/14 13:00	10/21/14 11:28	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:28	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/20/14 13:00	10/21/14 11:28	7440-50-8	
Iron, Dissolved	54500 ug/L		250	1	10/20/14 13:00	10/21/14 11:28	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:28	7439-92-1	
Nickel, Dissolved	68.8 ug/L		25.0	1	10/20/14 13:00	10/21/14 11:28	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/20/14 13:00	10/21/14 11:28	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/20/14 13:00	10/21/14 11:28	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/20/14 13:00	10/21/14 11:28	7440-28-0	
Zinc, Dissolved	337 ug/L		250	1	10/20/14 13:00	10/21/14 11:28	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	10/16/14 14:45	10/17/14 09:28	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/17/14 14:30	10/18/14 12:55	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/17/14 00:00	10/19/14 20:22	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:22	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:22	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:22	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/17/14 00:00	10/19/14 20:22	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2130 ug/L		2000	1	10/17/14 00:00	10/19/14 20:22		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

Sample: T1-036	Lab ID: 60180319001	Collected: 10/14/14 10:26	Received: 10/15/14 02:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:22	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:22	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:22	87-86-5	
Phenol	3220 ug/L		500	1	10/17/14 00:00	10/19/14 20:22	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:22	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/17/14 00:00	10/19/14 20:22	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	95 %		33-120	1	10/17/14 00:00	10/19/14 20:22	4165-60-0	
2-Fluorobiphenyl (S)	88 %		39-120	1	10/17/14 00:00	10/19/14 20:22	321-60-8	
Terphenyl-d14 (S)	96 %		45-120	1	10/17/14 00:00	10/19/14 20:22	1718-51-0	
Phenol-d6 (S)	32 %		11-120	1	10/17/14 00:00	10/19/14 20:22	13127-88-3	
2-Fluorophenol (S)	43 %		17-120	1	10/17/14 00:00	10/19/14 20:22	367-12-4	
2,4,6-Tribromophenol (S)	79 %		39-120	1	10/17/14 00:00	10/19/14 20:22	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	44000 ug/L		1000	100		10/17/14 10:42	67-64-1	N2
Benzene	ND ug/L		100	100		10/17/14 10:42	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/17/14 10:42	75-27-4	
Bromoform	ND ug/L		100	100		10/17/14 10:42	75-25-2	
Bromomethane	ND ug/L		500	100		10/17/14 10:42	74-83-9	
2-Butanone (MEK)	22700 ug/L		1000	100		10/17/14 10:42	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/17/14 10:42	56-23-5	
Chloroethane	ND ug/L		100	100		10/17/14 10:42	75-00-3	
Chloroform	ND ug/L		100	100		10/17/14 10:42	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/17/14 10:42	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/17/14 10:42	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/17/14 10:42	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/17/14 10:42	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/17/14 10:42	100-41-4	
Methylene chloride	ND ug/L		100	100		10/17/14 10:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/17/14 10:42	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/17/14 10:42	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/17/14 10:42	127-18-4	
Toluene	ND ug/L		100	100		10/17/14 10:42	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/17/14 10:42	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/17/14 10:42	79-00-5	
Trichloroethene	ND ug/L		100	100		10/17/14 10:42	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/17/14 10:42	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/17/14 10:42	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	107 %		80-120	100		10/17/14 10:42	460-00-4	
Toluene-d8 (S)	100 %		80-120	100		10/17/14 10:42	2037-26-5	
1,2-Dichloroethane-d4 (S)	95 %		80-120	100		10/17/14 10:42	17060-07-0	
Preservation pH	6.0		1.0	100		10/17/14 10:42		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	116 mg/L		5.0	1		10/16/14 16:44		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

Sample: T1-036		Lab ID: 60180319001	Collected: 10/14/14 10:26	Received: 10/15/14 02:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/16/14 17:06		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	5580	mg/L	5.0	1		10/16/14 11:14		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.1	Std. Units	0.10	1		10/20/14 13:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	11500	mg/L	2.0	1	10/15/14 14:50	10/20/14 11:43		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	171	mg/L	10.0	100		10/17/14 15:40	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	20800	mg/L	2500	250		10/21/14 07:06		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

Sample: TRIP BLANK		Lab ID: 60180319002	Collected: 10/14/14 10:26	Received: 10/15/14 02:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/17/14 11:38	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/17/14 11:38	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/17/14 11:38	75-27-4	
Bromoform	ND ug/L		1.0	1		10/17/14 11:38	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/17/14 11:38	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/17/14 11:38	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/17/14 11:38	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/17/14 11:38	75-00-3	
Chloroform	ND ug/L		1.0	1		10/17/14 11:38	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/17/14 11:38	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/17/14 11:38	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/17/14 11:38	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/17/14 11:38	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/17/14 11:38	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/17/14 11:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/17/14 11:38	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/17/14 11:38	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/17/14 11:38	127-18-4	
Toluene	ND ug/L		1.0	1		10/17/14 11:38	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/17/14 11:38	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/17/14 11:38	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/17/14 11:38	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/17/14 11:38	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/17/14 11:38	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	100 %		80-120	1		10/17/14 11:38	460-00-4	
Toluene-d8 (S)	100 %		80-120	1		10/17/14 11:38	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	1		10/17/14 11:38	17060-07-0	
Preservation pH	6.0		1.0	1		10/17/14 11:38		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch: MERP/8921

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60180319001

METHOD BLANK: 1461442

Matrix: Water

Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/17/14 09:10	

LABORATORY CONTROL SAMPLE: 1461443

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461444 1461445

Parameter	Units	60180186001		60180187001		60180187001		% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Mercury	ug/L	ND	150	150	87.6	84.0	58	56	70-130	4	20 M1

MATRIX SPIKE SAMPLE: 1461446

Parameter	Units	60180187001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	95.1	62	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch:	MERP/8926	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60180319001		

METHOD BLANK: 1462607 Matrix: Water
Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/18/14 12:44	

LABORATORY CONTROL SAMPLE: 1462608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1462609 1462610

Parameter	Units	60180311001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	91.8	91.2	61	61	70-130	1	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch: MPRP/29355

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60180319001

METHOD BLANK: 1461260

Matrix: Water

Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/21/14 08:27	
Antimony	ug/L	ND	10.0	10/21/14 08:27	
Arsenic	ug/L	ND	10.0	10/21/14 08:27	
Beryllium	ug/L	ND	1.0	10/21/14 08:27	
Cadmium	ug/L	ND	5.0	10/21/14 08:27	
Chromium	ug/L	ND	5.0	10/21/14 08:27	
Cobalt	ug/L	ND	5.0	10/21/14 08:27	
Copper	ug/L	ND	10.0	10/21/14 08:27	
Iron	ug/L	ND	50.0	10/21/14 08:27	
Lead	ug/L	ND	5.0	10/21/14 08:27	
Nickel	ug/L	ND	5.0	10/21/14 08:27	
Selenium	ug/L	ND	15.0	10/21/14 08:27	
Silver	ug/L	ND	7.0	10/21/14 08:27	
Thallium	ug/L	ND	20.0	10/21/14 08:27	
Zinc	ug/L	ND	50.0	10/21/14 08:27	

LABORATORY CONTROL SAMPLE: 1461261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	8890	89	85-115	
Antimony	ug/L	1000	889	89	85-115	
Arsenic	ug/L	1000	859	86	85-115	
Beryllium	ug/L	1000	884	88	85-115	
Cadmium	ug/L	1000	881	88	85-115	
Chromium	ug/L	1000	886	89	85-115	
Cobalt	ug/L	1000	907	91	85-115	
Copper	ug/L	1000	885	89	85-115	
Iron	ug/L	10000	8780	88	85-115	
Lead	ug/L	1000	885	88	85-115	
Nickel	ug/L	1000	901	90	85-115	
Selenium	ug/L	1000	857	86	85-115	
Silver	ug/L	500	430	86	85-115	
Thallium	ug/L	1000	905	90	85-115	
Zinc	ug/L	1000	874	87	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1461262												1461263											
Parameter	Units	60180311001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual											
			Spike Conc.	Spike Conc.																			
Aluminum	ug/L	5080	50000	50000	53200	57000	96	104	70-130	7	8												
Antimony	ug/L	ND	5000	5000	4800	5040	96	101	70-130	5	7												
Arsenic	ug/L	399	5000	5000	5210	5540	96	103	70-130	6	10												
Beryllium	ug/L	ND	5000	5000	4570	4760	91	95	70-130	4	7												
Cadmium	ug/L	ND	5000	5000	4780	5010	96	100	70-130	5	10												
Chromium	ug/L	136	5000	5000	4710	4950	91	96	70-130	5	10												
Cobalt	ug/L	ND	5000	5000	4580	4780	91	95	70-130	4	6												
Copper	ug/L	ND	5000	5000	4750	4970	95	99	70-130	4	11												
Iron	ug/L	412000	50000	50000	436000	499000	49	175	70-130	13	10	M1, R1											
Lead	ug/L	82.8	5000	5000	4350	4510	85	89	70-130	4	10												
Nickel	ug/L	74.1	5000	5000	4560	4740	90	93	70-130	4	10												
Selenium	ug/L	ND	5000	5000	4860	5160	97	103	70-130	6	10												
Silver	ug/L	ND	2500	2500	2400	2520	95	100	70-130	5	10												
Thallium	ug/L	ND	5000	5000	4140	4290	82	85	70-130	4	6												
Zinc	ug/L	3590	5000	5000	7760	8480	83	98	70-130	9	11												

MATRIX SPIKE SAMPLE: 1461264											
Parameter	Units	60180319001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	8100	50000
Antimony	ug/L	ND	5000	5230	104	70-130					
Arsenic	ug/L	504	5000	5860	107	70-130					
Beryllium	ug/L	ND	5000	4910	98	70-130					
Cadmium	ug/L	ND	5000	5180	104	70-130					
Chromium	ug/L	150	5000	5100	99	70-130					
Cobalt	ug/L	ND	5000	4950	99	70-130					
Copper	ug/L	ND	5000	5160	103	70-130					
Iron	ug/L	434000	50000	546000	222	70-130	M1				
Lead	ug/L	85.4	5000	4600	90	70-130					
Nickel	ug/L	77.4	5000	4880	96	70-130					
Selenium	ug/L	ND	5000	5320	106	70-130					
Silver	ug/L	ND	2500	2560	102	70-130					
Thallium	ug/L	ND	5000	4400	87	70-130					
Zinc	ug/L	3620	5000	8780	103	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch: MPRP/29387

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180319001

METHOD BLANK: 1463750

Matrix: Water

Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/21/14 11:17	
Antimony, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Arsenic, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Beryllium, Dissolved	ug/L	ND	1.0	10/21/14 11:17	
Cadmium, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Chromium, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Cobalt, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Copper, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Iron, Dissolved	ug/L	ND	50.0	10/21/14 11:17	
Lead, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Nickel, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Selenium, Dissolved	ug/L	ND	15.0	10/21/14 11:17	
Silver, Dissolved	ug/L	ND	7.0	10/21/14 11:17	
Thallium, Dissolved	ug/L	ND	20.0	10/21/14 11:17	
Zinc, Dissolved	ug/L	ND	50.0	10/21/14 11:17	

LABORATORY CONTROL SAMPLE: 1463751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9630	96	85-115	
Antimony, Dissolved	ug/L	1000	981	98	85-115	
Arsenic, Dissolved	ug/L	1000	956	96	85-115	
Beryllium, Dissolved	ug/L	1000	970	97	85-115	
Cadmium, Dissolved	ug/L	1000	968	97	85-115	
Chromium, Dissolved	ug/L	1000	977	98	85-115	
Cobalt, Dissolved	ug/L	1000	994	99	85-115	
Copper, Dissolved	ug/L	1000	952	95	85-115	
Iron, Dissolved	ug/L	10000	9980	100	85-115	
Lead, Dissolved	ug/L	1000	974	97	85-115	
Nickel, Dissolved	ug/L	1000	992	99	85-115	
Selenium, Dissolved	ug/L	1000	952	95	85-115	
Silver, Dissolved	ug/L	500	476	95	85-115	
Thallium, Dissolved	ug/L	1000	955	95	85-115	
Zinc, Dissolved	ug/L	1000	988	99	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

Parameter	Units	1463752		1463753		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		60180311001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Aluminum, Dissolved	ug/L	ND	50000	50000	48900	48600	97	97	70-130	1	8	
Antimony, Dissolved	ug/L	ND	5000	5000	5050	5040	101	101	70-130	0	7	
Arsenic, Dissolved	ug/L	226	5000	5000	5290	5200	101	100	70-130	2	10	
Beryllium, Dissolved	ug/L	ND	5000	5000	4790	4780	96	96	70-130	0	7	
Cadmium, Dissolved	ug/L	ND	5000	5000	4980	4980	100	100	70-130	0	10	
Chromium, Dissolved	ug/L	54.2	5000	5000	4780	4760	94	94	70-130	0	10	
Cobalt, Dissolved	ug/L	ND	5000	5000	4870	4870	97	97	70-130	0	6	
Copper, Dissolved	ug/L	ND	5000	5000	5040	4980	100	99	70-130	1	11	
Iron, Dissolved	ug/L	90400	50000	50000	148000	134000	115	86	70-130	10	10	
Lead, Dissolved	ug/L	ND	5000	5000	4700	4730	94	94	70-130	1	10	
Nickel, Dissolved	ug/L	45.0	5000	5000	4840	4850	96	96	70-130	0	10	
Selenium, Dissolved	ug/L	ND	5000	5000	5050	5060	101	101	70-130	0	10	
Silver, Dissolved	ug/L	ND	2500	2500	2450	2420	98	97	70-130	1	10	
Thallium, Dissolved	ug/L	ND	5000	5000	4560	4610	91	92	70-130	1	6	
Zinc, Dissolved	ug/L	343	5000	5000	5030	5020	94	93	70-130	0	11	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch: MSV/65144 Analysis Method: EPA 624 Low
 QC Batch Method: EPA 624 Low Analysis Description: 624 MSV
 Associated Lab Samples: 60180319001, 60180319002

METHOD BLANK: 1462199 Matrix: Water

Associated Lab Samples: 60180319001, 60180319002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/17/14 09:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/17/14 09:31	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/17/14 09:31	
1,2-Dichloroethane	ug/L	ND	1.0	10/17/14 09:31	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/17/14 09:31	
2-Butanone (MEK)	ug/L	ND	10.0	10/17/14 09:31	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/17/14 09:31	N2
Acetone	ug/L	ND	10.0	10/17/14 09:31	N2
Benzene	ug/L	ND	1.0	10/17/14 09:31	
Bromodichloromethane	ug/L	ND	1.0	10/17/14 09:31	
Bromoform	ug/L	ND	1.0	10/17/14 09:31	
Bromomethane	ug/L	ND	5.0	10/17/14 09:31	
Carbon tetrachloride	ug/L	ND	1.0	10/17/14 09:31	
Chloroethane	ug/L	ND	1.0	10/17/14 09:31	
Chloroform	ug/L	ND	1.0	10/17/14 09:31	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/17/14 09:31	N2
Ethylbenzene	ug/L	ND	1.0	10/17/14 09:31	
Methylene chloride	ug/L	ND	1.0	10/17/14 09:31	
Tetrachloroethene	ug/L	ND	1.0	10/17/14 09:31	
Toluene	ug/L	ND	1.0	10/17/14 09:31	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/17/14 09:31	
Trichloroethene	ug/L	ND	1.0	10/17/14 09:31	
Vinyl chloride	ug/L	ND	1.0	10/17/14 09:31	
Xylene (Total)	ug/L	ND	3.0	10/17/14 09:31	N2
1,2-Dichloroethane-d4 (S)	%	104	80-120	10/17/14 09:31	
4-Bromofluorobenzene (S)	%	105	80-120	10/17/14 09:31	
Toluene-d8 (S)	%	94	80-120	10/17/14 09:31	

LABORATORY CONTROL SAMPLE: 1462200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.3	101	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	22.4	112	67-127	N2
1,1,2-Trichloroethane	ug/L	20	22.0	110	67-124	
1,2-Dichloroethane	ug/L	20	20.7	104	70-126	
1,4-Dichlorobenzene	ug/L	20	21.8	109	74-120	
2-Butanone (MEK)	ug/L	100	90.3	90	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	91.3	91	59-131	N2
Acetone	ug/L	100	88.8	89	38-134	N2
Benzene	ug/L	20	20.5	103	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

LABORATORY CONTROL SAMPLE: 1462200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.0	105	68-125	
Bromoform	ug/L	20	23.1	115	65-127	
Bromomethane	ug/L	20	19.7	98	13-157	
Carbon tetrachloride	ug/L	20	21.5	107	70-131	
Chloroethane	ug/L	20	16.2	81	47-133	
Chloroform	ug/L	20	20.1	101	65-127	
cis-1,2-Dichloroethene	ug/L	20	21.0	105	68-127	N2
Ethylbenzene	ug/L	20	21.4	107	74-122	
Methylene chloride	ug/L	20	17.7	89	64-129	
Tetrachloroethene	ug/L	20	22.6	113	73-125	
Toluene	ug/L	20	19.6	98	69-126	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	66-129	
Trichloroethene	ug/L	20	20.5	102	71-123	
Vinyl chloride	ug/L	20	16.9	84	43-129	
Xylene (Total)	ug/L	60	63.8	106	75-121	N2
1,2-Dichloroethane-d4 (S)	%			96	80-120	
4-Bromofluorobenzene (S)	%			104	80-120	
Toluene-d8 (S)	%			96	80-120	

MATRIX SPIKE SAMPLE: 1462201

Parameter	Units	60180311001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2110	105	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2060	103	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2080	104	52-143	
1,2-Dichloroethane	ug/L	ND	2000	1980	99	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2180	108	33-140	
2-Butanone (MEK)	ug/L	10700	10000	18800	82	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	9860	96	40-160	N2
Acetone	ug/L	24500	10000	29700	52	10-160	N2
Benzene	ug/L	ND	2000	2090	105	37-151	
Bromodichloromethane	ug/L	ND	2000	2030	102	35-142	
Bromoform	ug/L	ND	2000	2250	113	45-142	
Bromomethane	ug/L	ND	2000	1940	97	10-158	
Carbon tetrachloride	ug/L	ND	2000	2230	111	70-140	
Chloroethane	ug/L	ND	2000	1730	86	19-152	
Chloroform	ug/L	ND	2000	1980	99	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	1960	98	34-147	N2
Ethylbenzene	ug/L	ND	2000	2250	112	40-142	
Methylene chloride	ug/L	ND	2000	1790	89	31-144	
Tetrachloroethene	ug/L	ND	2000	2360	118	64-148	
Toluene	ug/L	ND	2000	2150	107	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	1980	99	54-151	
Trichloroethene	ug/L	ND	2000	2070	103	71-149	
Vinyl chloride	ug/L	ND	2000	1880	94	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

MATRIX SPIKE SAMPLE:		1462201					
Parameter	Units	60180311001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6840	114	37-144	N2
1,2-Dichloroethane-d4 (S)	%				92	80-120	
4-Bromofluorobenzene (S)	%				99	80-120	
Toluene-d8 (S)	%				100	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch: OEXT/46696 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60180319001

METHOD BLANK: 1462104 Matrix: Water

Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/19/14 09:39	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/19/14 09:39	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/19/14 09:39	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/19/14 09:39	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/19/14 09:39	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/19/14 09:39	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/19/14 09:39	
Hexachloroethane	ug/L	ND	5.0	10/19/14 09:39	
Naphthalene	ug/L	ND	5.0	10/19/14 09:39	
Nitrobenzene	ug/L	ND	5.0	10/19/14 09:39	
Pentachlorophenol	ug/L	ND	5.0	10/19/14 09:39	
Phenol	ug/L	ND	5.0	10/19/14 09:39	
2,4,6-Tribromophenol (S)	%	100	39-120	10/19/14 09:39	
2-Fluorobiphenyl (S)	%	89	39-120	10/19/14 09:39	
2-Fluorophenol (S)	%	46	17-120	10/19/14 09:39	
Nitrobenzene-d5 (S)	%	87	33-120	10/19/14 09:39	
Phenol-d6 (S)	%	29	11-120	10/19/14 09:39	
Terphenyl-d14 (S)	%	96	45-120	10/19/14 09:39	

LABORATORY CONTROL SAMPLE: 1462105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	43.9	88	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.6	99	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	35.9	72	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.4	65	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	56.1	112	40-133	
Hexachloro-1,3-butadiene	ug/L	50	45.0	90	44-116	
Hexachlorocyclopentadiene	ug/L	100	47.6	48	24-120	
Hexachloroethane	ug/L	50	41.1	82	43-113	
Naphthalene	ug/L	50	44.5	89	48-120	
Nitrobenzene	ug/L	50	45.4	91	48-120	
Pentachlorophenol	ug/L	50	55.3	111	47-120	
Phenol	ug/L	50	16.8	34	16-112	
2,4,6-Tribromophenol (S)	%			114	39-120	
2-Fluorobiphenyl (S)	%			92	39-120	
2-Fluorophenol (S)	%			46	17-120	
Nitrobenzene-d5 (S)	%			93	33-120	
Phenol-d6 (S)	%			30	11-120	
Terphenyl-d14 (S)	%			103	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

MATRIX SPIKE SAMPLE:		1462106					
Parameter	Units	60180311001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	4060	81	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4830	97	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3850	77	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	2130	5000	6310	84	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	ND	0	10-160	M1
Hexachloro-1,3-butadiene	ug/L	ND	5000	4190	84	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	ND	0	11-120	M1
Hexachloroethane	ug/L	ND	5000	1960	39	40-113	M1
Naphthalene	ug/L	ND	5000	4250	81	45-120	
Nitrobenzene	ug/L	ND	5000	4620	83	38-120	
Pentachlorophenol	ug/L	ND	5000	2540	48	43-135	
Phenol	ug/L	2990	5000	6850	77	13-112	
2,4,6-Tribromophenol (S)	%				89	39-120	
2-Fluorobiphenyl (S)	%				91	39-120	
2-Fluorophenol (S)	%				51	17-120	
Nitrobenzene-d5 (S)	%				101	33-120	
Phenol-d6 (S)	%				40	11-120	
Terphenyl-d14 (S)	%				97	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch: WET/50934

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60180319001

METHOD BLANK: 1461152

Matrix: Water

Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/16/14 16:37	

LABORATORY CONTROL SAMPLE: 1461153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.7	97	78-114	

MATRIX SPIKE SAMPLE: 1461154

Parameter	Units	60179744001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	42.0	40.4	89.2	117	78-114	M1

SAMPLE DUPLICATE: 1461155

Parameter	Units	60179765002 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	8.9	12.6	34	18	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch: WET/50935

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 SGT-HEM, TPH

Associated Lab Samples: 60180319001

METHOD BLANK: 1461158

Matrix: Water

Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/16/14 17:01	

LABORATORY CONTROL SAMPLE: 1461159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.6	118	64-132	

MATRIX SPIKE SAMPLE: 1461160

Parameter	Units	60179744001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.2	16.4	68	64-132	

SAMPLE DUPLICATE: 1461161

Parameter	Units	60179765002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.5J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch:	WET/50938	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60180319001		

METHOD BLANK: 1461192 Matrix: Water

Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/16/14 11:10	

SAMPLE DUPLICATE: 1461193

Parameter	Units	60180144001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	16.0	24.0	40	10	D6

SAMPLE DUPLICATE: 1461194

Parameter	Units	60180176001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	65.0	62.0	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch: WET/51009 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180319001

SAMPLE DUPLICATE: 1463876

Parameter	Units	60180245002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch: WET/50923

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180319001

METHOD BLANK: 1460741

Matrix: Water

Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/20/14 11:22	

LABORATORY CONTROL SAMPLE: 1460742

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	191	96	85-115	

SAMPLE DUPLICATE: 1460743

Parameter	Units	60180332001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	671	704	5	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch:	WETA/31405	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60180319001		

METHOD BLANK: 1462226 Matrix: Water

Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/17/14 15:25	

LABORATORY CONTROL SAMPLE: 1462227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 1462228

Parameter	Units	60179048002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.17	2	2.4	111	90-110	M1

SAMPLE DUPLICATE: 1462229

Parameter	Units	60179603002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

QC Batch:	WETA/31432	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180319001		

METHOD BLANK: 1463499 Matrix: Water

Associated Lab Samples: 60180319001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/21/14 06:56	

LABORATORY CONTROL SAMPLE: 1463500

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	46.7	93	90-110	

MATRIX SPIKE SAMPLE: 1463501

Parameter	Units	60179839001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	65.0	50	112	94	90-110	

MATRIX SPIKE SAMPLE: 1463503

Parameter	Units	60180054001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	27.0	50	75.6	97	90-110	

SAMPLE DUPLICATE: 1463502

Parameter	Units	60180047001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	33.9	28.2	18	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-036

Pace Project No.: 60180319

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180319001	T1-036	EPA 200.7	MPRP/29355	EPA 200.7	ICP/22053
60180319001	T1-036	EPA 200.7	MPRP/29387	EPA 200.7	ICP/22076
60180319001	T1-036	EPA 245.1	MERP/8921	EPA 245.1	MERC/8878
60180319001	T1-036	EPA 245.1	MERP/8926	EPA 245.1	MERC/8881
60180319001	T1-036	EPA 625	OEXT/46696	EPA 625	MSSV/15015
60180319001	T1-036	EPA 624 Low	MSV/65144		
60180319002	TRIP BLANK	EPA 624 Low	MSV/65144		
60180319001	T1-036	EPA 1664A	WET/50934		
60180319001	T1-036	EPA 1664A	WET/50935		
60180319001	T1-036	SM 2540D	WET/50938		
60180319001	T1-036	SM 4500-H+B	WET/51009		
60180319001	T1-036	SM 5210B	WET/50923	SM 5210B	WET/51004
60180319001	T1-036	EPA 350.1	WETA/31405		
60180319001	T1-036	EPA 410.4	WETA/31432		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180319



Client Name: BARR

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun. (circle one)

Cooler Temperature: 4.2

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: (W) 10/15/14

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>pH ROD</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>BP3N initial pH 6.0 added 2.5 mL HNO3 final pH 4.0</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, <u>O&G</u> WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>CW</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative <u>12513-32-10</u> <u>12707-14-8</u>
Pace Trip Blank lot # (if purchased): <u>covered</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MD</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 10/15/14

October 23, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

RE: Project: BRIDGETON LF T1-037
Pace Project No.: 60180438

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mary Jane Walls for
Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180438001	TI-037	Water	10/15/14 11:08	10/16/14 02:20
60180438002	TRIP BLANK	Water	10/15/14 11:08	10/16/14 02:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180438001	TI-037	EPA 200.7	JGP	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180438002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

Sample: TI-037	Lab ID: 60180438001	Collected: 10/15/14 11:08	Received: 10/16/14 02:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	5300 ug/L		375	1	10/21/14 10:30	10/22/14 10:56	7429-90-5	
Antimony	ND ug/L		50.0	1	10/21/14 10:30	10/22/14 10:56	7440-36-0	
Arsenic	448 ug/L		50.0	1	10/21/14 10:30	10/22/14 10:56	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/21/14 10:30	10/22/14 10:56	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/21/14 10:30	10/22/14 10:56	7440-43-9	
Chromium	136 ug/L		25.0	1	10/21/14 10:30	10/22/14 10:56	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/21/14 10:30	10/22/14 10:56	7440-48-4	
Copper	ND ug/L		50.0	1	10/21/14 10:30	10/22/14 10:56	7440-50-8	
Iron	381000 ug/L		250	1	10/21/14 10:30	10/22/14 10:56	7439-89-6	
Lead	67.3 ug/L		25.0	1	10/21/14 10:30	10/22/14 10:56	7439-92-1	
Nickel	76.8 ug/L		25.0	1	10/21/14 10:30	10/22/14 10:56	7440-02-0	
Selenium	ND ug/L		75.0	1	10/21/14 10:30	10/22/14 10:56	7782-49-2	
Silver	ND ug/L		35.0	1	10/21/14 10:30	10/22/14 10:56	7440-22-4	
Thallium	ND ug/L		100	1	10/21/14 10:30	10/22/14 10:56	7440-28-0	
Zinc	3040 ug/L		250	1	10/21/14 10:30	10/22/14 10:56	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/20/14 13:00	10/21/14 11:30	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/20/14 13:00	10/21/14 11:30	7440-36-0	
Arsenic, Dissolved	257 ug/L		50.0	1	10/20/14 13:00	10/21/14 11:30	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/20/14 13:00	10/21/14 11:30	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:30	7440-43-9	
Chromium, Dissolved	54.6 ug/L		25.0	1	10/20/14 13:00	10/21/14 11:30	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:30	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/20/14 13:00	10/21/14 11:30	7440-50-8	
Iron, Dissolved	19400 ug/L		250	1	10/20/14 13:00	10/21/14 11:30	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:30	7439-92-1	
Nickel, Dissolved	49.3 ug/L		25.0	1	10/20/14 13:00	10/21/14 11:30	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/20/14 13:00	10/21/14 11:30	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/20/14 13:00	10/21/14 11:30	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/20/14 13:00	10/21/14 11:30	7440-28-0	
Zinc, Dissolved	ND ug/L		250	1	10/20/14 13:00	10/21/14 11:30	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	10/17/14 14:30	10/18/14 12:15	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/17/14 14:30	10/18/14 12:57	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/17/14 00:00	10/19/14 21:03	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/17/14 00:00	10/19/14 21:03	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/17/14 00:00	10/19/14 21:03	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/17/14 00:00	10/19/14 21:03	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/17/14 00:00	10/19/14 21:03	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND ug/L		2000	1	10/17/14 00:00	10/19/14 21:03		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

Sample: TI-037	Lab ID: 60180438001	Collected: 10/15/14 11:08	Received: 10/16/14 02:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/17/14 00:00	10/19/14 21:03	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/17/14 00:00	10/19/14 21:03	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/17/14 00:00	10/19/14 21:03	87-86-5	
Phenol	2990 ug/L		500	1	10/17/14 00:00	10/19/14 21:03	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/17/14 00:00	10/19/14 21:03	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/17/14 00:00	10/19/14 21:03	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	101 %		33-120	1	10/17/14 00:00	10/19/14 21:03	4165-60-0	
2-Fluorobiphenyl (S)	91 %		39-120	1	10/17/14 00:00	10/19/14 21:03	321-60-8	
Terphenyl-d14 (S)	97 %		45-120	1	10/17/14 00:00	10/19/14 21:03	1718-51-0	
Phenol-d6 (S)	32 %		11-120	1	10/17/14 00:00	10/19/14 21:03	13127-88-3	
2-Fluorophenol (S)	45 %		17-120	1	10/17/14 00:00	10/19/14 21:03	367-12-4	
2,4,6-Tribromophenol (S)	80 %		39-120	1	10/17/14 00:00	10/19/14 21:03	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	52100 ug/L		1000	100		10/21/14 17:11	67-64-1	N2
Benzene	ND ug/L		100	100		10/21/14 17:11	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/21/14 17:11	75-27-4	
Bromoform	ND ug/L		100	100		10/21/14 17:11	75-25-2	
Bromomethane	ND ug/L		500	100		10/21/14 17:11	74-83-9	
2-Butanone (MEK)	25300 ug/L		1000	100		10/21/14 17:11	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/21/14 17:11	56-23-5	
Chloroethane	ND ug/L		100	100		10/21/14 17:11	75-00-3	
Chloroform	ND ug/L		100	100		10/21/14 17:11	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/21/14 17:11	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/21/14 17:11	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/21/14 17:11	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/21/14 17:11	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/21/14 17:11	100-41-4	
Methylene chloride	ND ug/L		100	100		10/21/14 17:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/21/14 17:11	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/21/14 17:11	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/21/14 17:11	127-18-4	
Toluene	ND ug/L		100	100		10/21/14 17:11	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/21/14 17:11	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/21/14 17:11	79-00-5	
Trichloroethene	ND ug/L		100	100		10/21/14 17:11	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/21/14 17:11	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/21/14 17:11	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	100 %		80-120	100		10/21/14 17:11	460-00-4	
Toluene-d8 (S)	98 %		80-120	100		10/21/14 17:11	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	100		10/21/14 17:11	17060-07-0	
Preservation pH	6.0		1.0	100		10/21/14 17:11		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	170 mg/L		5.0	1		10/22/14 15:03		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

Sample: TI-037		Lab ID: 60180438001	Collected: 10/15/14 11:08	Received: 10/16/14 02:20	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/22/14 15:09		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	3540	mg/L	5.0	1		10/20/14 14:38		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.2	Std. Units	0.10	1		10/20/14 13:30		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	10100	mg/L	2.0	1	10/17/14 08:58	10/22/14 08:52		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	168	mg/L	10.0	100		10/17/14 15:43	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	19100	mg/L	2500	250		10/22/14 07:48		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

Sample: TRIP BLANK		Lab ID: 60180438002	Collected: 10/15/14 11:08	Received: 10/16/14 02:20	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/21/14 18:07	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/21/14 18:07	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/21/14 18:07	75-27-4	
Bromoform	ND ug/L		1.0	1		10/21/14 18:07	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/21/14 18:07	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/21/14 18:07	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/21/14 18:07	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/21/14 18:07	75-00-3	
Chloroform	ND ug/L		1.0	1		10/21/14 18:07	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/21/14 18:07	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/21/14 18:07	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/21/14 18:07	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/21/14 18:07	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/21/14 18:07	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/21/14 18:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/21/14 18:07	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/21/14 18:07	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/21/14 18:07	127-18-4	
Toluene	ND ug/L		1.0	1		10/21/14 18:07	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/21/14 18:07	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/21/14 18:07	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/21/14 18:07	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/21/14 18:07	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/21/14 18:07	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	99 %		80-120	1		10/21/14 18:07	460-00-4	
Toluene-d8 (S)	98 %		80-120	1		10/21/14 18:07	2037-26-5	
1,2-Dichloroethane-d4 (S)	102 %		80-120	1		10/21/14 18:07	17060-07-0	
Preservation pH	6.0		1.0	1		10/21/14 18:07		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch: MERP/8925

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60180438001

METHOD BLANK: 1462262

Matrix: Water

Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/18/14 12:11	

LABORATORY CONTROL SAMPLE: 1462263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1462264 1462265

Parameter	Units	60180438001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury	ug/L	ND	150	150	90.0	88.2	58	57	70-130	2	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch:	MERP/8926	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60180438001		

METHOD BLANK: 1462607 Matrix: Water
Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/18/14 12:44	

LABORATORY CONTROL SAMPLE: 1462608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1462609 1462610

Parameter	Units	60180311001		60180311001		60180311001		60180311001		% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec						
Mercury, Dissolved	ug/L	ND	150	150	91.8	91.2	61	61	70-130	1	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch:	MPRP/29402	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	60180438001		

METHOD BLANK: 1464138 Matrix: Water

Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/22/14 10:53	
Antimony	ug/L	ND	10.0	10/22/14 10:53	
Arsenic	ug/L	ND	10.0	10/22/14 10:53	
Beryllium	ug/L	ND	1.0	10/22/14 10:53	
Cadmium	ug/L	ND	5.0	10/22/14 10:53	
Chromium	ug/L	ND	5.0	10/22/14 10:53	
Cobalt	ug/L	ND	5.0	10/22/14 10:53	
Copper	ug/L	ND	10.0	10/22/14 10:53	
Iron	ug/L	ND	50.0	10/22/14 10:53	
Lead	ug/L	ND	5.0	10/22/14 10:53	
Nickel	ug/L	ND	5.0	10/22/14 10:53	
Selenium	ug/L	ND	15.0	10/22/14 10:53	
Silver	ug/L	ND	7.0	10/22/14 10:53	
Thallium	ug/L	ND	20.0	10/22/14 10:53	
Zinc	ug/L	ND	50.0	10/22/14 10:53	

LABORATORY CONTROL SAMPLE: 1464139

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9430	94	85-115	
Antimony	ug/L	1000	927	93	85-115	
Arsenic	ug/L	1000	896	90	85-115	
Beryllium	ug/L	1000	909	91	85-115	
Cadmium	ug/L	1000	922	92	85-115	
Chromium	ug/L	1000	949	95	85-115	
Cobalt	ug/L	1000	962	96	85-115	
Copper	ug/L	1000	935	94	85-115	
Iron	ug/L	10000	9550	96	85-115	
Lead	ug/L	1000	890	89	85-115	
Nickel	ug/L	1000	929	93	85-115	
Selenium	ug/L	1000	874	87	85-115	
Silver	ug/L	500	431	86	85-115	
Thallium	ug/L	1000	946	95	85-115	
Zinc	ug/L	1000	903	90	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1464140												1464141											
Parameter	Units	60180438001 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual									
			Spike Conc.	MS Conc.	Spike Conc.	MSD Conc.																	
Aluminum	ug/L	5300	50000	50000	59400	59600	108	109	70-130	1	8												
Antimony	ug/L	ND	5000	5000	5260	5300	105	106	70-130	1	7												
Arsenic	ug/L	448	5000	5000	5720	5750	105	106	70-130	1	10												
Beryllium	ug/L	ND	5000	5000	4980	5000	100	100	70-130	1	7												
Cadmium	ug/L	ND	5000	5000	5220	5270	104	105	70-130	1	10												
Chromium	ug/L	136	5000	5000	5280	5360	103	104	70-130	1	10												
Cobalt	ug/L	ND	5000	5000	5100	5160	102	103	70-130	1	6												
Copper	ug/L	ND	5000	5000	5220	5280	104	105	70-130	1	11												
Iron	ug/L	381000	50000	50000	435000	439000	110	117	70-130	1	10												
Lead	ug/L	67.3	5000	5000	4590	4650	90	92	70-130	1	10												
Nickel	ug/L	76.8	5000	5000	4940	4990	97	98	70-130	1	10												
Selenium	ug/L	ND	5000	5000	5180	5210	103	104	70-130	1	10												
Silver	ug/L	ND	2500	2500	2490	2520	99	100	70-130	1	10												
Thallium	ug/L	ND	5000	5000	4550	4600	91	92	70-130	1	6												
Zinc	ug/L	3040	5000	5000	7720	7800	94	95	70-130	1	11												

MATRIX SPIKE SAMPLE: 1464142											
Parameter	Units	60180547001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	3840	50000
Antimony	ug/L	ND	5000	5260	105	70-130					
Arsenic	ug/L	411	5000	5620	104	70-130					
Beryllium	ug/L	ND	5000	4680	94	70-130					
Cadmium	ug/L	ND	5000	5080	102	70-130					
Chromium	ug/L	109	5000	4790	94	70-130					
Cobalt	ug/L	ND	5000	4890	97	70-130					
Copper	ug/L	ND	5000	5130	102	70-130					
Iron	ug/L	294000	50000	356000	123	70-130					
Lead	ug/L	68.9	5000	4850	96	70-130					
Nickel	ug/L	68.6	5000	4710	93	70-130					
Selenium	ug/L	ND	5000	5200	104	70-130					
Silver	ug/L	ND	2500	2700	108	70-130					
Thallium	ug/L	ND	5000	4350	87	70-130					
Zinc	ug/L	2680	5000	7520	97	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch: MPRP/29387

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180438001

METHOD BLANK: 1463750

Matrix: Water

Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/21/14 11:17	
Antimony, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Arsenic, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Beryllium, Dissolved	ug/L	ND	1.0	10/21/14 11:17	
Cadmium, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Chromium, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Cobalt, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Copper, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Iron, Dissolved	ug/L	ND	50.0	10/21/14 11:17	
Lead, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Nickel, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Selenium, Dissolved	ug/L	ND	15.0	10/21/14 11:17	
Silver, Dissolved	ug/L	ND	7.0	10/21/14 11:17	
Thallium, Dissolved	ug/L	ND	20.0	10/21/14 11:17	
Zinc, Dissolved	ug/L	ND	50.0	10/21/14 11:17	

LABORATORY CONTROL SAMPLE: 1463751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9630	96	85-115	
Antimony, Dissolved	ug/L	1000	981	98	85-115	
Arsenic, Dissolved	ug/L	1000	956	96	85-115	
Beryllium, Dissolved	ug/L	1000	970	97	85-115	
Cadmium, Dissolved	ug/L	1000	968	97	85-115	
Chromium, Dissolved	ug/L	1000	977	98	85-115	
Cobalt, Dissolved	ug/L	1000	994	99	85-115	
Copper, Dissolved	ug/L	1000	952	95	85-115	
Iron, Dissolved	ug/L	10000	9980	100	85-115	
Lead, Dissolved	ug/L	1000	974	97	85-115	
Nickel, Dissolved	ug/L	1000	992	99	85-115	
Selenium, Dissolved	ug/L	1000	952	95	85-115	
Silver, Dissolved	ug/L	500	476	95	85-115	
Thallium, Dissolved	ug/L	1000	955	95	85-115	
Zinc, Dissolved	ug/L	1000	988	99	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

Parameter	Units	1463752		1463753		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		60180311001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Aluminum, Dissolved	ug/L	ND	50000	50000	48900	48600	97	97	70-130	1	8	
Antimony, Dissolved	ug/L	ND	5000	5000	5050	5040	101	101	70-130	0	7	
Arsenic, Dissolved	ug/L	226	5000	5000	5290	5200	101	100	70-130	2	10	
Beryllium, Dissolved	ug/L	ND	5000	5000	4790	4780	96	96	70-130	0	7	
Cadmium, Dissolved	ug/L	ND	5000	5000	4980	4980	100	100	70-130	0	10	
Chromium, Dissolved	ug/L	54.2	5000	5000	4780	4760	94	94	70-130	0	10	
Cobalt, Dissolved	ug/L	ND	5000	5000	4870	4870	97	97	70-130	0	6	
Copper, Dissolved	ug/L	ND	5000	5000	5040	4980	100	99	70-130	1	11	
Iron, Dissolved	ug/L	90400	50000	50000	148000	134000	115	86	70-130	10	10	
Lead, Dissolved	ug/L	ND	5000	5000	4700	4730	94	94	70-130	1	10	
Nickel, Dissolved	ug/L	45.0	5000	5000	4840	4850	96	96	70-130	0	10	
Selenium, Dissolved	ug/L	ND	5000	5000	5050	5060	101	101	70-130	0	10	
Silver, Dissolved	ug/L	ND	2500	2500	2450	2420	98	97	70-130	1	10	
Thallium, Dissolved	ug/L	ND	5000	5000	4560	4610	91	92	70-130	1	6	
Zinc, Dissolved	ug/L	343	5000	5000	5030	5020	94	93	70-130	0	11	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch: MSV/65224 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60180438001, 60180438002

METHOD BLANK: 1464161 Matrix: Water

Associated Lab Samples: 60180438001, 60180438002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/21/14 13:10	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/21/14 13:10	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/21/14 13:10	
1,2-Dichloroethane	ug/L	ND	1.0	10/21/14 13:10	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/21/14 13:10	
2-Butanone (MEK)	ug/L	ND	10.0	10/21/14 13:10	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/21/14 13:10	N2
Acetone	ug/L	ND	10.0	10/21/14 13:10	N2
Benzene	ug/L	ND	1.0	10/21/14 13:10	
Bromodichloromethane	ug/L	ND	1.0	10/21/14 13:10	
Bromoform	ug/L	ND	1.0	10/21/14 13:10	
Bromomethane	ug/L	ND	5.0	10/21/14 13:10	
Carbon tetrachloride	ug/L	ND	1.0	10/21/14 13:10	
Chloroethane	ug/L	ND	1.0	10/21/14 13:10	
Chloroform	ug/L	ND	1.0	10/21/14 13:10	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/21/14 13:10	N2
Ethylbenzene	ug/L	ND	1.0	10/21/14 13:10	
Methylene chloride	ug/L	ND	1.0	10/21/14 13:10	
Tetrachloroethene	ug/L	ND	1.0	10/21/14 13:10	
Toluene	ug/L	ND	1.0	10/21/14 13:10	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/21/14 13:10	
Trichloroethene	ug/L	ND	1.0	10/21/14 13:10	
Vinyl chloride	ug/L	ND	1.0	10/21/14 13:10	
Xylene (Total)	ug/L	ND	3.0	10/21/14 13:10	N2
1,2-Dichloroethane-d4 (S)	%	101	80-120	10/21/14 13:10	
4-Bromofluorobenzene (S)	%	108	80-120	10/21/14 13:10	
Toluene-d8 (S)	%	94	80-120	10/21/14 13:10	

LABORATORY CONTROL SAMPLE: 1464162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.8	104	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	23.3	116	67-127	N2
1,1,2-Trichloroethane	ug/L	20	22.2	111	67-124	
1,2-Dichloroethane	ug/L	20	22.1	110	70-126	
1,4-Dichlorobenzene	ug/L	20	22.2	111	74-120	
2-Butanone (MEK)	ug/L	100	94.7	95	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	95.0	95	59-131	N2
Acetone	ug/L	100	90.5	91	38-134	N2
Benzene	ug/L	20	20.6	103	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

LABORATORY CONTROL SAMPLE: 1464162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.1	106	68-125	
Bromoform	ug/L	20	22.0	110	65-127	
Bromomethane	ug/L	20	22.3	112	13-157	
Carbon tetrachloride	ug/L	20	21.0	105	70-131	
Chloroethane	ug/L	20	18.4	92	47-133	
Chloroform	ug/L	20	20.9	105	65-127	
cis-1,2-Dichloroethene	ug/L	20	20.8	104	68-127	N2
Ethylbenzene	ug/L	20	20.8	104	74-122	
Methylene chloride	ug/L	20	17.4	87	64-129	
Tetrachloroethene	ug/L	20	21.9	109	73-125	
Toluene	ug/L	20	19.4	97	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	66-129	
Trichloroethene	ug/L	20	20.1	101	71-123	
Vinyl chloride	ug/L	20	21.2	106	43-129	
Xylene (Total)	ug/L	60	63.0	105	75-121	N2
1,2-Dichloroethane-d4 (S)	%			104	80-120	
4-Bromofluorobenzene (S)	%			104	80-120	
Toluene-d8 (S)	%			95	80-120	

MATRIX SPIKE SAMPLE: 1464163

Parameter	Units	60180438001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L		ND	2000	2180	109	52-155
1,1,2,2-Tetrachloroethane	ug/L		ND	2000	2160	108	46-146 N2
1,1,2-Trichloroethane	ug/L		ND	2000	2080	104	52-143
1,2-Dichloroethane	ug/L		ND	2000	2050	103	49-144
1,4-Dichlorobenzene	ug/L		ND	2000	2310	113	33-140
2-Butanone (MEK)	ug/L	25300	10000	32200	69	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L		ND	10000	9980	95	40-160 N2
Acetone	ug/L	52100	10000	56600	44	10-160	N2
Benzene	ug/L		ND	2000	2130	106	37-151
Bromodichloromethane	ug/L		ND	2000	2070	104	35-142
Bromoform	ug/L		ND	2000	2080	104	45-142
Bromomethane	ug/L		ND	2000	2230	110	10-158
Carbon tetrachloride	ug/L		ND	2000	2270	114	70-140
Chloroethane	ug/L		ND	2000	2130	107	19-152
Chloroform	ug/L		ND	2000	2090	104	51-138
cis-1,2-Dichloroethene	ug/L		ND	2000	1970	99	34-147 N2
Ethylbenzene	ug/L		ND	2000	2280	114	40-142
Methylene chloride	ug/L		ND	2000	1720	85	31-144
Tetrachloroethene	ug/L		ND	2000	2340	117	64-148
Toluene	ug/L		ND	2000	2090	105	47-150
trans-1,2-Dichloroethene	ug/L		ND	2000	1980	99	54-151
Trichloroethene	ug/L		ND	2000	2110	105	71-149
Vinyl chloride	ug/L		ND	2000	2250	112	22-146

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

MATRIX SPIKE SAMPLE:		1464163					
Parameter	Units	60180438001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6950	116	37-144	N2
1,2-Dichloroethane-d4 (S)	%				98	80-120	
4-Bromofluorobenzene (S)	%				101	80-120	
Toluene-d8 (S)	%				97	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037
Pace Project No.: 60180438

QC Batch: OEXT/46696 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 60180438001

METHOD BLANK: 1462104 Matrix: Water
Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/19/14 09:39	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/19/14 09:39	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/19/14 09:39	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/19/14 09:39	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/19/14 09:39	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/19/14 09:39	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/19/14 09:39	
Hexachloroethane	ug/L	ND	5.0	10/19/14 09:39	
Naphthalene	ug/L	ND	5.0	10/19/14 09:39	
Nitrobenzene	ug/L	ND	5.0	10/19/14 09:39	
Pentachlorophenol	ug/L	ND	5.0	10/19/14 09:39	
Phenol	ug/L	ND	5.0	10/19/14 09:39	
2,4,6-Tribromophenol (S)	%	100	39-120	10/19/14 09:39	
2-Fluorobiphenyl (S)	%	89	39-120	10/19/14 09:39	
2-Fluorophenol (S)	%	46	17-120	10/19/14 09:39	
Nitrobenzene-d5 (S)	%	87	33-120	10/19/14 09:39	
Phenol-d6 (S)	%	29	11-120	10/19/14 09:39	
Terphenyl-d14 (S)	%	96	45-120	10/19/14 09:39	

LABORATORY CONTROL SAMPLE: 1462105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	43.9	88	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.6	99	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	35.9	72	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.4	65	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	56.1	112	40-133	
Hexachloro-1,3-butadiene	ug/L	50	45.0	90	44-116	
Hexachlorocyclopentadiene	ug/L	100	47.6	48	24-120	
Hexachloroethane	ug/L	50	41.1	82	43-113	
Naphthalene	ug/L	50	44.5	89	48-120	
Nitrobenzene	ug/L	50	45.4	91	48-120	
Pentachlorophenol	ug/L	50	55.3	111	47-120	
Phenol	ug/L	50	16.8	34	16-112	
2,4,6-Tribromophenol (S)	%			114	39-120	
2-Fluorobiphenyl (S)	%			92	39-120	
2-Fluorophenol (S)	%			46	17-120	
Nitrobenzene-d5 (S)	%			93	33-120	
Phenol-d6 (S)	%			30	11-120	
Terphenyl-d14 (S)	%			103	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

MATRIX SPIKE SAMPLE:		1462106					
Parameter	Units	60180311001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	4060	81	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4830	97	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3850	77	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	2130	5000	6310	84	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	ND	0	10-160	M1
Hexachloro-1,3-butadiene	ug/L	ND	5000	4190	84	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	ND	0	11-120	M1
Hexachloroethane	ug/L	ND	5000	1960	39	40-113	M1
Naphthalene	ug/L	ND	5000	4250	81	45-120	
Nitrobenzene	ug/L	ND	5000	4620	83	38-120	
Pentachlorophenol	ug/L	ND	5000	2540	48	43-135	
Phenol	ug/L	2990	5000	6850	77	13-112	
2,4,6-Tribromophenol (S)	%				89	39-120	
2-Fluorobiphenyl (S)	%				91	39-120	
2-Fluorophenol (S)	%				51	17-120	
Nitrobenzene-d5 (S)	%				101	33-120	
Phenol-d6 (S)	%				40	11-120	
Terphenyl-d14 (S)	%				97	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch:	WET/51048	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180438001		

METHOD BLANK: 1464851 Matrix: Water

Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/22/14 15:02	

LABORATORY CONTROL SAMPLE: 1464852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.2	100	78-114	

MATRIX SPIKE SAMPLE: 1464853

Parameter	Units	60180455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	22.5	42.6	67.2	105	78-114	

SAMPLE DUPLICATE: 1464854

Parameter	Units	60180387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	0.74J	1.9J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch:	WET/51049	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180438001		

METHOD BLANK: 1464857 Matrix: Water
Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/22/14 15:08	

LABORATORY CONTROL SAMPLE: 1464858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.2	116	64-132	

MATRIX SPIKE SAMPLE: 1464859

Parameter	Units	60180455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	21.3	16.8	66	64-132	

SAMPLE DUPLICATE: 1464860

Parameter	Units	60180387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	ND		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch: WET/51007

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60180438001

METHOD BLANK: 1463842

Matrix: Water

Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/20/14 14:33	

SAMPLE DUPLICATE: 1463843

Parameter	Units	60180353002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	6.0	ND		10	

SAMPLE DUPLICATE: 1463844

Parameter	Units	60180414001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	1240	920	30	10	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch: WET/51009 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180438001

SAMPLE DUPLICATE: 1463876

Parameter	Units	60180245002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch: WET/50956

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180438001

METHOD BLANK: 1462060

Matrix: Water

Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/22/14 08:17	

LABORATORY CONTROL SAMPLE: 1462061

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	198	100	85-115	

SAMPLE DUPLICATE: 1462062

Parameter	Units	60180435001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	498	476	5	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch: WETA/31405

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60180438001

METHOD BLANK: 1462226

Matrix: Water

Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/17/14 15:25	

LABORATORY CONTROL SAMPLE: 1462227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 1462228

Parameter	Units	60179048002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.17	2	2.4	111	90-110	M1

SAMPLE DUPLICATE: 1462229

Parameter	Units	60179603002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

QC Batch:	WETA/31450	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180438001		

METHOD BLANK: 1464013 Matrix: Water
Associated Lab Samples: 60180438001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/22/14 07:37	

LABORATORY CONTROL SAMPLE: 1464014

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	47.5	95	90-110	

MATRIX SPIKE SAMPLE: 1464015

Parameter	Units	60180062002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	67.0	50	123	113	90-110	M1

MATRIX SPIKE SAMPLE: 1464017

Parameter	Units	60180275001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	3620	2500	5970	94	90-110	

SAMPLE DUPLICATE: 1464016

Parameter	Units	60180062004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	ND	7.8J		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-037

Pace Project No.: 60180438

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-037

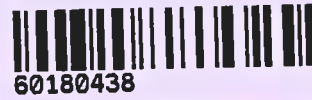
Pace Project No.: 60180438

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180438001	TI-037	EPA 200.7	MPRP/29402	EPA 200.7	ICP/22085
60180438001	TI-037	EPA 200.7	MPRP/29387	EPA 200.7	ICP/22076
60180438001	TI-037	EPA 245.1	MERP/8925	EPA 245.1	MERC/8880
60180438001	TI-037	EPA 245.1	MERP/8926	EPA 245.1	MERC/8881
60180438001	TI-037	EPA 625	OEXT/46696	EPA 625	MSSV/15015
60180438001	TI-037	EPA 624 Low	MSV/65224		
60180438002	TRIP BLANK	EPA 624 Low	MSV/65224		
60180438001	TI-037	EPA 1664A	WET/51048		
60180438001	TI-037	EPA 1664A	WET/51049		
60180438001	TI-037	SM 2540D	WET/51007		
60180438001	TI-037	SM 4500-H+B	WET/51009		
60180438001	TI-037	SM 5210B	WET/50956	SM 5210B	WET/51050
60180438001	TI-037	EPA 350.1	WETA/31405		
60180438001	TI-037	EPA 410.4	WETA/31450		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

WO#: 60180438



Sample Condition Upon Receipt

Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other: Xroads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other etc

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 2.0

Date and initials of person examining contents: JB 10/16

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>BOD pH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix:	<u>OT</u>	13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>BP3 initial pH 6.0 added 2.5me Final pH 4.0</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>BP3 initial pH 5.0 added 1mh Final pH 2.0</u>
Exceptions: VOA, coliform, TOC, <u>QAC</u> , WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>JB</u> Lot # of added preservative <u>12513-57-10 12797-19-8</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): <u>Caused</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 10/14

October 24, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

RE: Project: BRIDGETON LF T1-038
Pace Project No.: 60180547

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mary Jane Walls for
Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180547001	T1-038	Water	10/16/14 09:31	10/17/14 02:40
60180547002	TRIP BLANK	Water	10/16/14 09:31	10/17/14 02:40

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180547001	T1-038	EPA 200.7	JGP	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180547002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

Sample: T1-038	Lab ID: 60180547001	Collected: 10/16/14 09:31	Received: 10/17/14 02:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	3840 ug/L		375	1	10/21/14 10:30	10/22/14 11:51	7429-90-5	
Antimony	ND ug/L		50.0	1	10/21/14 10:30	10/22/14 11:51	7440-36-0	
Arsenic	411 ug/L		50.0	1	10/21/14 10:30	10/22/14 11:51	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/21/14 10:30	10/22/14 11:51	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/21/14 10:30	10/22/14 11:51	7440-43-9	
Chromium	109 ug/L		25.0	1	10/21/14 10:30	10/22/14 11:51	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/21/14 10:30	10/22/14 11:51	7440-48-4	
Copper	ND ug/L		50.0	1	10/21/14 10:30	10/22/14 11:51	7440-50-8	
Iron	294000 ug/L		250	1	10/21/14 10:30	10/22/14 14:43	7439-89-6	
Lead	68.9 ug/L		25.0	1	10/21/14 10:30	10/22/14 14:43	7439-92-1	
Nickel	68.6 ug/L		25.0	1	10/21/14 10:30	10/22/14 11:51	7440-02-0	
Selenium	ND ug/L		75.0	1	10/21/14 10:30	10/22/14 11:51	7782-49-2	
Silver	ND ug/L		35.0	1	10/21/14 10:30	10/22/14 14:43	7440-22-4	
Thallium	ND ug/L		100	1	10/21/14 10:30	10/22/14 11:51	7440-28-0	
Zinc	2680 ug/L		250	1	10/21/14 10:30	10/22/14 14:43	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/20/14 13:00	10/21/14 11:33	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/20/14 13:00	10/21/14 11:33	7440-36-0	
Arsenic, Dissolved	233 ug/L		50.0	1	10/20/14 13:00	10/21/14 11:33	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/20/14 13:00	10/21/14 11:33	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:33	7440-43-9	
Chromium, Dissolved	43.9 ug/L		25.0	1	10/20/14 13:00	10/21/14 11:33	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:33	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/20/14 13:00	10/21/14 11:33	7440-50-8	
Iron, Dissolved	12900 ug/L		250	1	10/20/14 13:00	10/21/14 11:33	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/20/14 13:00	10/21/14 11:33	7439-92-1	
Nickel, Dissolved	43.9 ug/L		25.0	1	10/20/14 13:00	10/21/14 11:33	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/20/14 13:00	10/21/14 11:33	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/20/14 13:00	10/21/14 11:33	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/20/14 13:00	10/21/14 11:33	7440-28-0	
Zinc, Dissolved	281 ug/L		250	1	10/20/14 13:00	10/21/14 11:33	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	10/20/14 10:05	10/21/14 09:22	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/17/14 14:30	10/18/14 13:04	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/20/14 00:00	10/21/14 17:42	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/20/14 00:00	10/21/14 17:42	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/20/14 00:00	10/21/14 17:42	77-47-4	M1
Hexachloroethane	ND ug/L		500	1	10/20/14 00:00	10/21/14 17:42	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/20/14 00:00	10/21/14 17:42	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND ug/L		2000	1	10/20/14 00:00	10/21/14 17:42		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

Sample: T1-038	Lab ID: 60180547001	Collected: 10/16/14 09:31	Received: 10/17/14 02:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/20/14 00:00	10/21/14 17:42	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/20/14 00:00	10/21/14 17:42	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/20/14 00:00	10/21/14 17:42	87-86-5	L3,M0
Phenol	2560 ug/L		500	1	10/20/14 00:00	10/21/14 17:42	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/20/14 00:00	10/21/14 17:42	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/20/14 00:00	10/21/14 17:42	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	80 %		33-120	1	10/20/14 00:00	10/21/14 17:42	4165-60-0	
2-Fluorobiphenyl (S)	75 %		39-120	1	10/20/14 00:00	10/21/14 17:42	321-60-8	
Terphenyl-d14 (S)	89 %		45-120	1	10/20/14 00:00	10/21/14 17:42	1718-51-0	
Phenol-d6 (S)	29 %		11-120	1	10/20/14 00:00	10/21/14 17:42	13127-88-3	
2-Fluorophenol (S)	38 %		17-120	1	10/20/14 00:00	10/21/14 17:42	367-12-4	
2,4,6-Tribromophenol (S)	83 %		39-120	1	10/20/14 00:00	10/21/14 17:42	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	48300 ug/L		1000	100		10/21/14 17:39	67-64-1	N2
Benzene	ND ug/L		100	100		10/21/14 17:39	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/21/14 17:39	75-27-4	
Bromoform	ND ug/L		100	100		10/21/14 17:39	75-25-2	
Bromomethane	ND ug/L		500	100		10/21/14 17:39	74-83-9	
2-Butanone (MEK)	24400 ug/L		1000	100		10/21/14 17:39	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/21/14 17:39	56-23-5	
Chloroethane	ND ug/L		100	100		10/21/14 17:39	75-00-3	
Chloroform	ND ug/L		100	100		10/21/14 17:39	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/21/14 17:39	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/21/14 17:39	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/21/14 17:39	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/21/14 17:39	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/21/14 17:39	100-41-4	
Methylene chloride	ND ug/L		100	100		10/21/14 17:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/21/14 17:39	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/21/14 17:39	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/21/14 17:39	127-18-4	
Toluene	ND ug/L		100	100		10/21/14 17:39	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/21/14 17:39	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/21/14 17:39	79-00-5	
Trichloroethene	ND ug/L		100	100		10/21/14 17:39	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/21/14 17:39	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/21/14 17:39	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	99 %		80-120	100		10/21/14 17:39	460-00-4	
Toluene-d8 (S)	97 %		80-120	100		10/21/14 17:39	2037-26-5	
1,2-Dichloroethane-d4 (S)	103 %		80-120	100		10/21/14 17:39	17060-07-0	
Preservation pH	6.0		1.0	100		10/21/14 17:39		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	169 mg/L		5.0	1		10/22/14 15:03		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

Sample: T1-038		Lab ID: 60180547001	Collected: 10/16/14 09:31	Received: 10/17/14 02:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	9.2 mg/L		5.0	1		10/22/14 15:09		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	1960 mg/L		5.0	1		10/22/14 08:32		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.3 Std. Units		0.10	1		10/20/14 13:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	4500 mg/L		2.0	1	10/18/14 08:17	10/23/14 10:10		L2
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	171 mg/L		10.0	100		10/18/14 14:12	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	20100 mg/L		2500	250		10/22/14 08:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

Sample: TRIP BLANK		Lab ID: 60180547002	Collected: 10/16/14 09:31	Received: 10/17/14 02:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/21/14 18:21	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/21/14 18:21	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/21/14 18:21	75-27-4	
Bromoform	ND ug/L		1.0	1		10/21/14 18:21	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/21/14 18:21	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/21/14 18:21	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/21/14 18:21	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/21/14 18:21	75-00-3	
Chloroform	ND ug/L		1.0	1		10/21/14 18:21	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/21/14 18:21	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/21/14 18:21	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/21/14 18:21	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/21/14 18:21	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/21/14 18:21	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/21/14 18:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/21/14 18:21	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/21/14 18:21	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/21/14 18:21	127-18-4	
Toluene	ND ug/L		1.0	1		10/21/14 18:21	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/21/14 18:21	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/21/14 18:21	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/21/14 18:21	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/21/14 18:21	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/21/14 18:21	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	98 %		80-120	1		10/21/14 18:21	460-00-4	
Toluene-d8 (S)	97 %		80-120	1		10/21/14 18:21	2037-26-5	
1,2-Dichloroethane-d4 (S)	107 %		80-120	1		10/21/14 18:21	17060-07-0	
Preservation pH	6.0		1.0	1		10/21/14 18:21		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch: MERP/8928

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60180547001

METHOD BLANK: 1463522

Matrix: Water

Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/21/14 09:16	

LABORATORY CONTROL SAMPLE: 1463523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	95	85-115	

MATRIX SPIKE SAMPLE: 1463524

Parameter	Units	60180547001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	90.6	57	70-130	M1

MATRIX SPIKE SAMPLE: 1463525

Parameter	Units	60180667001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	91.8	58	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch:	MERP/8926	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60180547001		

METHOD BLANK: 1462607 Matrix: Water
Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/18/14 12:44	

LABORATORY CONTROL SAMPLE: 1462608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1462609 1462610

Parameter	Units	60180311001		60180311001		60180311001		60180311001		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS % Rec	MSD % Rec	MS % Rec	MSD % Rec				
Mercury, Dissolved	ug/L	ND	150	150	91.8	91.2	61	61	70-130	1	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch:	MPRP/29402	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	60180547001		

METHOD BLANK: 1464138 Matrix: Water

Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/22/14 10:53	
Antimony	ug/L	ND	10.0	10/22/14 10:53	
Arsenic	ug/L	ND	10.0	10/22/14 10:53	
Beryllium	ug/L	ND	1.0	10/22/14 10:53	
Cadmium	ug/L	ND	5.0	10/22/14 10:53	
Chromium	ug/L	ND	5.0	10/22/14 10:53	
Cobalt	ug/L	ND	5.0	10/22/14 10:53	
Copper	ug/L	ND	10.0	10/22/14 10:53	
Iron	ug/L	ND	50.0	10/22/14 10:53	
Lead	ug/L	ND	5.0	10/22/14 10:53	
Nickel	ug/L	ND	5.0	10/22/14 10:53	
Selenium	ug/L	ND	15.0	10/22/14 10:53	
Silver	ug/L	ND	7.0	10/22/14 10:53	
Thallium	ug/L	ND	20.0	10/22/14 10:53	
Zinc	ug/L	ND	50.0	10/22/14 10:53	

LABORATORY CONTROL SAMPLE: 1464139

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9430	94	85-115	
Antimony	ug/L	1000	927	93	85-115	
Arsenic	ug/L	1000	896	90	85-115	
Beryllium	ug/L	1000	909	91	85-115	
Cadmium	ug/L	1000	922	92	85-115	
Chromium	ug/L	1000	949	95	85-115	
Cobalt	ug/L	1000	962	96	85-115	
Copper	ug/L	1000	935	94	85-115	
Iron	ug/L	10000	9550	96	85-115	
Lead	ug/L	1000	890	89	85-115	
Nickel	ug/L	1000	929	93	85-115	
Selenium	ug/L	1000	874	87	85-115	
Silver	ug/L	500	431	86	85-115	
Thallium	ug/L	1000	946	95	85-115	
Zinc	ug/L	1000	903	90	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1464140												1464141											
Parameter	Units	60180438001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual											
			Spike Conc.	Spike Conc.																			
Aluminum	ug/L	5300	50000	50000	59400	59600	108	109	70-130	1	8												
Antimony	ug/L	ND	5000	5000	5260	5300	105	106	70-130	1	7												
Arsenic	ug/L	448	5000	5000	5720	5750	105	106	70-130	1	10												
Beryllium	ug/L	ND	5000	5000	4980	5000	100	100	70-130	1	7												
Cadmium	ug/L	ND	5000	5000	5220	5270	104	105	70-130	1	10												
Chromium	ug/L	136	5000	5000	5280	5360	103	104	70-130	1	10												
Cobalt	ug/L	ND	5000	5000	5100	5160	102	103	70-130	1	6												
Copper	ug/L	ND	5000	5000	5220	5280	104	105	70-130	1	11												
Iron	ug/L	381000	50000	50000	435000	439000	110	117	70-130	1	10												
Lead	ug/L	67.3	5000	5000	4590	4650	90	92	70-130	1	10												
Nickel	ug/L	76.8	5000	5000	4940	4990	97	98	70-130	1	10												
Selenium	ug/L	ND	5000	5000	5180	5210	103	104	70-130	1	10												
Silver	ug/L	ND	2500	2500	2490	2520	99	100	70-130	1	10												
Thallium	ug/L	ND	5000	5000	4550	4600	91	92	70-130	1	6												
Zinc	ug/L	3040	5000	5000	7720	7800	94	95	70-130	1	11												

MATRIX SPIKE SAMPLE: 1464142											
Parameter	Units	60180547001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	3840	50000
Antimony	ug/L	ND	5000	5260	105	70-130					
Arsenic	ug/L	411	5000	5620	104	70-130					
Beryllium	ug/L	ND	5000	4680	94	70-130					
Cadmium	ug/L	ND	5000	5080	102	70-130					
Chromium	ug/L	109	5000	4790	94	70-130					
Cobalt	ug/L	ND	5000	4890	97	70-130					
Copper	ug/L	ND	5000	5130	102	70-130					
Iron	ug/L	294000	50000	356000	123	70-130					
Lead	ug/L	68.9	5000	4850	96	70-130					
Nickel	ug/L	68.6	5000	4710	93	70-130					
Selenium	ug/L	ND	5000	5200	104	70-130					
Silver	ug/L	ND	2500	2700	108	70-130					
Thallium	ug/L	ND	5000	4350	87	70-130					
Zinc	ug/L	2680	5000	7520	97	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch: MPRP/29387

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180547001

METHOD BLANK: 1463750

Matrix: Water

Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/21/14 11:17	
Antimony, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Arsenic, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Beryllium, Dissolved	ug/L	ND	1.0	10/21/14 11:17	
Cadmium, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Chromium, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Cobalt, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Copper, Dissolved	ug/L	ND	10.0	10/21/14 11:17	
Iron, Dissolved	ug/L	ND	50.0	10/21/14 11:17	
Lead, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Nickel, Dissolved	ug/L	ND	5.0	10/21/14 11:17	
Selenium, Dissolved	ug/L	ND	15.0	10/21/14 11:17	
Silver, Dissolved	ug/L	ND	7.0	10/21/14 11:17	
Thallium, Dissolved	ug/L	ND	20.0	10/21/14 11:17	
Zinc, Dissolved	ug/L	ND	50.0	10/21/14 11:17	

LABORATORY CONTROL SAMPLE: 1463751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9630	96	85-115	
Antimony, Dissolved	ug/L	1000	981	98	85-115	
Arsenic, Dissolved	ug/L	1000	956	96	85-115	
Beryllium, Dissolved	ug/L	1000	970	97	85-115	
Cadmium, Dissolved	ug/L	1000	968	97	85-115	
Chromium, Dissolved	ug/L	1000	977	98	85-115	
Cobalt, Dissolved	ug/L	1000	994	99	85-115	
Copper, Dissolved	ug/L	1000	952	95	85-115	
Iron, Dissolved	ug/L	10000	9980	100	85-115	
Lead, Dissolved	ug/L	1000	974	97	85-115	
Nickel, Dissolved	ug/L	1000	992	99	85-115	
Selenium, Dissolved	ug/L	1000	952	95	85-115	
Silver, Dissolved	ug/L	500	476	95	85-115	
Thallium, Dissolved	ug/L	1000	955	95	85-115	
Zinc, Dissolved	ug/L	1000	988	99	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1463752		1463753									
Parameter	Units	60180311001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Aluminum, Dissolved	ug/L	ND	50000	50000	48900	48600	97	97	70-130	1	8		
Antimony, Dissolved	ug/L	ND	5000	5000	5050	5040	101	101	70-130	0	7		
Arsenic, Dissolved	ug/L	226	5000	5000	5290	5200	101	100	70-130	2	10		
Beryllium, Dissolved	ug/L	ND	5000	5000	4790	4780	96	96	70-130	0	7		
Cadmium, Dissolved	ug/L	ND	5000	5000	4980	4980	100	100	70-130	0	10		
Chromium, Dissolved	ug/L	54.2	5000	5000	4780	4760	94	94	70-130	0	10		
Cobalt, Dissolved	ug/L	ND	5000	5000	4870	4870	97	97	70-130	0	6		
Copper, Dissolved	ug/L	ND	5000	5000	5040	4980	100	99	70-130	1	11		
Iron, Dissolved	ug/L	90400	50000	50000	148000	134000	115	86	70-130	10	10		
Lead, Dissolved	ug/L	ND	5000	5000	4700	4730	94	94	70-130	1	10		
Nickel, Dissolved	ug/L	45.0	5000	5000	4840	4850	96	96	70-130	0	10		
Selenium, Dissolved	ug/L	ND	5000	5000	5050	5060	101	101	70-130	0	10		
Silver, Dissolved	ug/L	ND	2500	2500	2450	2420	98	97	70-130	1	10		
Thallium, Dissolved	ug/L	ND	5000	5000	4560	4610	91	92	70-130	1	6		
Zinc, Dissolved	ug/L	343	5000	5000	5030	5020	94	93	70-130	0	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch: MSV/65224 Analysis Method: EPA 624 Low
 QC Batch Method: EPA 624 Low Analysis Description: 624 MSV
 Associated Lab Samples: 60180547001, 60180547002

METHOD BLANK: 1464161 Matrix: Water

Associated Lab Samples: 60180547001, 60180547002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/21/14 13:10	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/21/14 13:10	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/21/14 13:10	
1,2-Dichloroethane	ug/L	ND	1.0	10/21/14 13:10	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/21/14 13:10	
2-Butanone (MEK)	ug/L	ND	10.0	10/21/14 13:10	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/21/14 13:10	N2
Acetone	ug/L	ND	10.0	10/21/14 13:10	N2
Benzene	ug/L	ND	1.0	10/21/14 13:10	
Bromodichloromethane	ug/L	ND	1.0	10/21/14 13:10	
Bromoform	ug/L	ND	1.0	10/21/14 13:10	
Bromomethane	ug/L	ND	5.0	10/21/14 13:10	
Carbon tetrachloride	ug/L	ND	1.0	10/21/14 13:10	
Chloroethane	ug/L	ND	1.0	10/21/14 13:10	
Chloroform	ug/L	ND	1.0	10/21/14 13:10	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/21/14 13:10	N2
Ethylbenzene	ug/L	ND	1.0	10/21/14 13:10	
Methylene chloride	ug/L	ND	1.0	10/21/14 13:10	
Tetrachloroethene	ug/L	ND	1.0	10/21/14 13:10	
Toluene	ug/L	ND	1.0	10/21/14 13:10	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/21/14 13:10	
Trichloroethene	ug/L	ND	1.0	10/21/14 13:10	
Vinyl chloride	ug/L	ND	1.0	10/21/14 13:10	
Xylene (Total)	ug/L	ND	3.0	10/21/14 13:10	N2
1,2-Dichloroethane-d4 (S)	%	101	80-120	10/21/14 13:10	
4-Bromofluorobenzene (S)	%	108	80-120	10/21/14 13:10	
Toluene-d8 (S)	%	94	80-120	10/21/14 13:10	

LABORATORY CONTROL SAMPLE: 1464162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.8	104	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	23.3	116	67-127	N2
1,1,2-Trichloroethane	ug/L	20	22.2	111	67-124	
1,2-Dichloroethane	ug/L	20	22.1	110	70-126	
1,4-Dichlorobenzene	ug/L	20	22.2	111	74-120	
2-Butanone (MEK)	ug/L	100	94.7	95	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	95.0	95	59-131	N2
Acetone	ug/L	100	90.5	91	38-134	N2
Benzene	ug/L	20	20.6	103	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

LABORATORY CONTROL SAMPLE: 1464162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.1	106	68-125	
Bromoform	ug/L	20	22.0	110	65-127	
Bromomethane	ug/L	20	22.3	112	13-157	
Carbon tetrachloride	ug/L	20	21.0	105	70-131	
Chloroethane	ug/L	20	18.4	92	47-133	
Chloroform	ug/L	20	20.9	105	65-127	
cis-1,2-Dichloroethene	ug/L	20	20.8	104	68-127	N2
Ethylbenzene	ug/L	20	20.8	104	74-122	
Methylene chloride	ug/L	20	17.4	87	64-129	
Tetrachloroethene	ug/L	20	21.9	109	73-125	
Toluene	ug/L	20	19.4	97	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	66-129	
Trichloroethene	ug/L	20	20.1	101	71-123	
Vinyl chloride	ug/L	20	21.2	106	43-129	
Xylene (Total)	ug/L	60	63.0	105	75-121	N2
1,2-Dichloroethane-d4 (S)	%			104	80-120	
4-Bromofluorobenzene (S)	%			104	80-120	
Toluene-d8 (S)	%			95	80-120	

MATRIX SPIKE SAMPLE: 1464163

Parameter	Units	60180438001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2180	109	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2160	108	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2080	104	52-143	
1,2-Dichloroethane	ug/L	ND	2000	2050	103	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2310	113	33-140	
2-Butanone (MEK)	ug/L	25300	10000	32200	69	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	9980	95	40-160	N2
Acetone	ug/L	52100	10000	56600	44	10-160	N2
Benzene	ug/L	ND	2000	2130	106	37-151	
Bromodichloromethane	ug/L	ND	2000	2070	104	35-142	
Bromoform	ug/L	ND	2000	2080	104	45-142	
Bromomethane	ug/L	ND	2000	2230	110	10-158	
Carbon tetrachloride	ug/L	ND	2000	2270	114	70-140	
Chloroethane	ug/L	ND	2000	2130	107	19-152	
Chloroform	ug/L	ND	2000	2090	104	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	1970	99	34-147	N2
Ethylbenzene	ug/L	ND	2000	2280	114	40-142	
Methylene chloride	ug/L	ND	2000	1720	85	31-144	
Tetrachloroethene	ug/L	ND	2000	2340	117	64-148	
Toluene	ug/L	ND	2000	2090	105	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	1980	99	54-151	
Trichloroethene	ug/L	ND	2000	2110	105	71-149	
Vinyl chloride	ug/L	ND	2000	2250	112	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

MATRIX SPIKE SAMPLE:		1464163					
Parameter	Units	60180438001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6950	116	37-144	N2
1,2-Dichloroethane-d4 (S)	%				98	80-120	
4-Bromofluorobenzene (S)	%				101	80-120	
Toluene-d8 (S)	%				97	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch: OEXT/46731 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60180547001

METHOD BLANK: 1463665 Matrix: Water

Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/21/14 16:40	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/21/14 16:40	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/21/14 16:40	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/21/14 16:40	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/21/14 16:40	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/21/14 16:40	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/21/14 16:40	
Hexachloroethane	ug/L	ND	5.0	10/21/14 16:40	
Naphthalene	ug/L	ND	5.0	10/21/14 16:40	
Nitrobenzene	ug/L	ND	5.0	10/21/14 16:40	
Pentachlorophenol	ug/L	ND	5.0	10/21/14 16:40	
Phenol	ug/L	ND	5.0	10/21/14 16:40	
2,4,6-Tribromophenol (S)	%	87	39-120	10/21/14 16:40	
2-Fluorobiphenyl (S)	%	81	39-120	10/21/14 16:40	
2-Fluorophenol (S)	%	38	17-120	10/21/14 16:40	
Nitrobenzene-d5 (S)	%	77	33-120	10/21/14 16:40	
Phenol-d6 (S)	%	26	11-120	10/21/14 16:40	
Terphenyl-d14 (S)	%	95	45-120	10/21/14 16:40	

LABORATORY CONTROL SAMPLE: 1463666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	39.5	79	46-120	
2,4,6-Trichlorophenol	ug/L	50	43.6	87	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	31.3	63	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	29.1	58	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	46.0	92	40-133	
Hexachloro-1,3-butadiene	ug/L	50	39.2	78	44-116	
Hexachlorocyclopentadiene	ug/L	100	42.7	43	24-120	
Hexachloroethane	ug/L	50	34.4	69	43-113	
Naphthalene	ug/L	50	40.4	81	48-120	
Nitrobenzene	ug/L	50	40.2	80	48-120	
Pentachlorophenol	ug/L	50	113	226	47-120	L0
Phenol	ug/L	50	16.2	32	16-112	
2,4,6-Tribromophenol (S)	%			93	39-120	
2-Fluorobiphenyl (S)	%			86	39-120	
2-Fluorophenol (S)	%			39	17-120	
Nitrobenzene-d5 (S)	%			80	33-120	
Phenol-d6 (S)	%			28	11-120	
Terphenyl-d14 (S)	%			98	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

MATRIX SPIKE SAMPLE:		1463667					
Parameter	Units	60180547001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3410	68	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4070	81	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3300	66	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	5000	5340	72	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	1400J	28	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3260	65	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	694	7	11-120	M1
Hexachloroethane	ug/L	ND	5000	2730	55	40-113	
Naphthalene	ug/L	ND	5000	3770	72	45-120	
Nitrobenzene	ug/L	ND	5000	4130	83	38-120	
Pentachlorophenol	ug/L	ND	5000	11900	239	43-135	M0
Phenol	ug/L	2560	5000	5260	54	13-112	
2,4,6-Tribromophenol (S)	%				85	39-120	
2-Fluorobiphenyl (S)	%				75	39-120	
2-Fluorophenol (S)	%				40	17-120	
Nitrobenzene-d5 (S)	%				85	33-120	
Phenol-d6 (S)	%				30	11-120	
Terphenyl-d14 (S)	%				89	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch:	WET/51048	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180547001		

METHOD BLANK: 1464851 Matrix: Water
Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/22/14 15:02	

LABORATORY CONTROL SAMPLE: 1464852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.2	100	78-114	

MATRIX SPIKE SAMPLE: 1464853

Parameter	Units	60180455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	22.5	42.6	67.2	105	78-114	

SAMPLE DUPLICATE: 1464854

Parameter	Units	60180387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	0.74J	1.9J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch:	WET/51049	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180547001		

METHOD BLANK: 1464857 Matrix: Water
Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/22/14 15:08	

LABORATORY CONTROL SAMPLE: 1464858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.2	116	64-132	

MATRIX SPIKE SAMPLE: 1464859

Parameter	Units	60180455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	21.3	16.8	66	64-132	

SAMPLE DUPLICATE: 1464860

Parameter	Units	60180387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	ND		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch:	WET/51021	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60180547001		

METHOD BLANK: 1464059 Matrix: Water

Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/22/14 08:28	

SAMPLE DUPLICATE: 1464060

Parameter	Units	60180554001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	34.0	32.0	6	10	

SAMPLE DUPLICATE: 1464061

Parameter	Units	60180626005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5.0	ND		10	

SAMPLE DUPLICATE: 1466138

Parameter	Units	60180640002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch: WET/51009 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180547001

SAMPLE DUPLICATE: 1463876

Parameter	Units	60180245002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch: WET/50977

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180547001

METHOD BLANK: 1462982

Matrix: Water

Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/23/14 09:54	

LABORATORY CONTROL SAMPLE: 1462983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	92.4	47	85-115	L0

SAMPLE DUPLICATE: 1462984

Parameter	Units	60180452001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	240	322	29	17	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch: WETA/31408

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60180547001

METHOD BLANK: 1462252

Matrix: Water

Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/18/14 13:42	

LABORATORY CONTROL SAMPLE: 1462253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	105	90-110	

MATRIX SPIKE SAMPLE: 1462254

Parameter	Units	60179824002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.7	87	90-110	M1

MATRIX SPIKE SAMPLE: 1462255

Parameter	Units	60179829002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.6	80	90-110	M1

SAMPLE DUPLICATE: 1462256

Parameter	Units	60179832002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	14.6	14.5	1	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

QC Batch:	WETA/31451	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180547001		

METHOD BLANK: 1464018 Matrix: Water
Associated Lab Samples: 60180547001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/22/14 07:54	

LABORATORY CONTROL SAMPLE: 1464019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	46.1	92	90-110	

MATRIX SPIKE SAMPLE: 1464020

Parameter	Units	60180222001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	53.0	103	90-110	

MATRIX SPIKE SAMPLE: 1464022

Parameter	Units	60179048002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	78.3	50	127	98	90-110	

SAMPLE DUPLICATE: 1464021

Parameter	Units	60180243002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	24.6	26.7	8	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-038

Pace Project No.: 60180547

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180547001	T1-038	EPA 200.7	MPRP/29402	EPA 200.7	ICP/22085
60180547001	T1-038	EPA 200.7	MPRP/29387	EPA 200.7	ICP/22076
60180547001	T1-038	EPA 245.1	MERP/8928	EPA 245.1	MERC/8887
60180547001	T1-038	EPA 245.1	MERP/8926	EPA 245.1	MERC/8881
60180547001	T1-038	EPA 625	OEXT/46731	EPA 625	MSSV/15027
60180547001	T1-038	EPA 624 Low	MSV/65224		
60180547002	TRIP BLANK	EPA 624 Low	MSV/65224		
60180547001	T1-038	EPA 1664A	WET/51048		
60180547001	T1-038	EPA 1664A	WET/51049		
60180547001	T1-038	SM 2540D	WET/51021		
60180547001	T1-038	SM 4500-H+B	WET/51009		
60180547001	T1-038	SM 5210B	WET/50977	SM 5210B	WET/51100
60180547001	T1-038	EPA 350.1	WETA/31408		
60180547001	T1-038	EPA 410.4	WETA/31451		

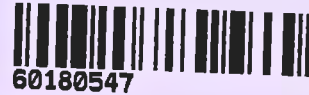
REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180547



Client Name: Republic - Barr Eng.

Courier: Fed Ex [] UPS [] USPS [] Client [] Commercial [x] Pace [] Other [x] FedEx

Tracking #: _____ Pace Shipping Label Used? Yes [] No [x]

Custody Seal on Cooler/Box Present: Yes [x] No [] Seals intact: Yes [x] No []

Packing Material: Bubble Wrap [x] Bubble Bags [x] Foam [x] None [] Other []

Thermometer Used: T-239 / T-194

Type of Ice: Wet [x] Blue [] None [] Samples received on ice, cooling process has begun. (circle one)

Cooler Temperature: 3.4

Date and initials of person examining contents: JWS 10/17/14 730

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. pH / BOD
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Includes date/time/ID/analyses	Matrix: water	13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: JWS
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative:
Pace Trip Blank lot # (if purchased):	Covated	15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: MD

Client Notification/ Resolution:

Copy COC to Client? Y [] N [x] Field Data Required? Y [] N [x]

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 10/17/14

November 03, 2014

DEREK BOUCHARD
REPUBLIC SERVICES
13570 ST CHARLES ROCK RD
Bridgeton, MO 63044


RE: Project: BRIDGETON 4337
Pace Project No.: 60180589

Dear DEREK BOUCHARD:

Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: KEVIN KAMP, CEC



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON 4337

Pace Project No.: 60180589

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):
E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Oklahoma Department of Environmental Quality: 2010-
139

Oregon Environmental Laboratory Accreditation:
LA200001

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Washington Department of Ecology: C2078

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON 4337

Pace Project No.: 60180589

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180589001	SLUDGE TRUCK #7	Solid	10/16/14 10:10	10/17/14 02:40
60180589002	SLUDGE TRUCK #7	Solid	10/16/14 10:00	10/17/14 02:40

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON 4337

Pace Project No.: 60180589

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60180589001	SLUDGE TRUCK #7	EPA 8081A	SPP1	9	PASI-N
		EPA 8151	SNP1	3	PASI-N
		EPA 6010	TDS	7	PASI-K
		EPA 7470	ZBM	1	PASI-K
		EPA 8270	JMT	18	PASI-K
		EPA 8260	JKL	13	PASI-K
		ASTM D2974	MER	1	PASI-K
		SM 2540G	MER	1	PASI-K
		SW-846 7.3.4.2	LJL	1	PASI-N
		EPA 9045	JML	1	PASI-K
		EPA 9095	AJM	1	PASI-K
		ASTM D92	JML	1	PASI-K
		EPA 300.0	TDB	1	PASI-K
		SW-846 7.3.3.2	TAE	1	PASI-N
		EPA 9023	JRP	1	PASI-N
		EPA 9065	SMS2	1	PASI-N
		60180589002	SLUDGE TRUCK #7	EPA 8082	JDH
EPA 8260	JKL			13	PASI-K
ASTM D2974	DWC			1	PASI-K

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60180589

Sample: SLUDGE TRUCK #7 **Lab ID: 60180589001** Collected: 10/16/14 10:10 Received: 10/17/14 02:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 OCC Pesticide, TCLP SPE								
Analytical Method: EPA 8081A Preparation Method: EPA 3535								
Leachate Method/Date: EPA 1311; 10/27/14 15:30								
gamma-BHC (Lindane)	ND mg/L		0.00050	1	10/28/14 15:07	10/29/14 12:20	58-89-9	
Chlordane (Technical)	ND mg/L		0.0050	1	10/28/14 15:07	10/29/14 12:20	57-74-9	
Endrin	ND mg/L		0.0010	1	10/28/14 15:07	10/29/14 12:20	72-20-8	
Heptachlor	ND mg/L		0.00050	1	10/28/14 15:07	10/29/14 12:20	76-44-8	R1
Heptachlor epoxide	ND mg/L		0.00050	1	10/28/14 15:07	10/29/14 12:20	1024-57-3	
Methoxychlor	ND mg/L		0.0050	1	10/28/14 15:07	10/29/14 12:20	72-43-5	
Toxaphene	ND mg/L		0.020	1	10/28/14 15:07	10/29/14 12:20	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	60 %.		10-119	1	10/28/14 15:07	10/29/14 12:20	877-09-8	
Tetrachloro-m-xylene (S)	47 %.		10-119	1	10/28/14 15:07	10/29/14 12:20	877-09-8	
Decachlorobiphenyl (S)	76 %.		14-126	1	10/28/14 15:07	10/29/14 12:20	2051-24-3	
Decachlorobiphenyl (S)	77 %.		14-126	1	10/28/14 15:07	10/29/14 12:20	2051-24-3	
8151A CI Herbicides TCLP								
Analytical Method: EPA 8151 Preparation Method: EPA 3535A								
Leachate Method/Date: EPA 1311; 10/27/14 15:30								
2,4-D	ND mg/L		0.020	1	10/28/14 15:04	10/31/14 15:55	94-75-7	
2,4,5-TP (Silvex)	ND mg/L		0.020	1	10/28/14 15:04	10/31/14 15:55	93-72-1	M1
Surrogates								
2,4-DCAA (S)	83 %.		10-166	1	10/28/14 15:04	10/31/14 15:55	19719-28-9	
2,4-DCAA (S)	78 %.		10-166	1	10/28/14 15:04	10/31/14 15:55	19719-28-9	
6010 MET ICP, TCLP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Leachate Method/Date: EPA 1311; 10/24/14 00:00								
Arsenic	ND mg/L		0.50	1	10/27/14 10:00	10/28/14 18:15	7440-38-2	
Barium	ND mg/L		2.5	1	10/27/14 10:00	10/28/14 18:15	7440-39-3	
Cadmium	ND mg/L		0.050	1	10/27/14 10:00	10/28/14 18:15	7440-43-9	
Chromium	ND mg/L		0.10	1	10/27/14 10:00	10/28/14 18:15	7440-47-3	
Lead	ND mg/L		0.50	1	10/27/14 10:00	10/28/14 18:15	7439-92-1	
Selenium	ND mg/L		0.50	1	10/27/14 10:00	10/28/14 18:15	7782-49-2	
Silver	ND mg/L		0.10	1	10/27/14 10:00	10/28/14 18:15	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Leachate Method/Date: EPA 1311; 10/24/14 00:00								
Mercury	ND mg/L		0.0020	1	10/26/14 17:00	10/27/14 12:41	7439-97-6	
8270 MSSV TCLP Sep Funnel								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Leachate Method/Date: EPA 1311; 10/24/14 00:00								
1,4-Dichlorobenzene	ND ug/L		100	1	10/27/14 00:00	10/27/14 14:31	106-46-7	
2,4-Dinitrotoluene	ND ug/L		100	1	10/27/14 00:00	10/27/14 14:31	121-14-2	
Hexachloro-1,3-butadiene	ND ug/L		100	1	10/27/14 00:00	10/27/14 14:31	87-68-3	
Hexachlorobenzene	ND ug/L		100	1	10/27/14 00:00	10/27/14 14:31	118-74-1	
Hexachloroethane	ND ug/L		100	1	10/27/14 00:00	10/27/14 14:31	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		100	1	10/27/14 00:00	10/27/14 14:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	468 ug/L		200	1	10/27/14 00:00	10/27/14 14:31		
Nitrobenzene	ND ug/L		100	1	10/27/14 00:00	10/27/14 14:31	98-95-3	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60180589

Sample: SLUDGE TRUCK #7 **Lab ID: 60180589001** Collected: 10/16/14 10:10 Received: 10/17/14 02:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Leachate Method/Date: EPA 1311; 10/24/14 00:00						
Pentachlorophenol	ND	ug/L	500	1	10/27/14 00:00	10/27/14 14:31	87-86-5	
Pyridine	ND	ug/L	100	1	10/27/14 00:00	10/27/14 14:31	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	1	10/27/14 00:00	10/27/14 14:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	10/27/14 00:00	10/27/14 14:31	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	110	%	44-120	1	10/27/14 00:00	10/27/14 14:31	4165-60-0	
2-Fluorobiphenyl (S)	106	%	49-120	1	10/27/14 00:00	10/27/14 14:31	321-60-8	
Terphenyl-d14 (S)	100	%	52-122	1	10/27/14 00:00	10/27/14 14:31	1718-51-0	
Phenol-d6 (S)	80	%	36-120	1	10/27/14 00:00	10/27/14 14:31	13127-88-3	
2-Fluorophenol (S)	77	%	37-120	1	10/27/14 00:00	10/27/14 14:31	367-12-4	
2,4,6-Tribromophenol (S)	82	%	36-128	1	10/27/14 00:00	10/27/14 14:31	118-79-6	
8260 MSV TCLP		Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 10/27/14 00:00						
Benzene	ND	ug/L	50.0	1		10/29/14 14:30	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000	1		10/29/14 14:30	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	1		10/29/14 14:30	56-23-5	
Chlorobenzene	ND	ug/L	50.0	1		10/29/14 14:30	108-90-7	
Chloroform	ND	ug/L	200	1		10/29/14 14:30	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	1		10/29/14 14:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	1		10/29/14 14:30	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	1		10/29/14 14:30	127-18-4	
Trichloroethene	ND	ug/L	50.0	1		10/29/14 14:30	79-01-6	
Vinyl chloride	ND	ug/L	20.0	1		10/29/14 14:30	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	80-120	1		10/29/14 14:30	17060-07-0	
Toluene-d8 (S)	100	%	80-120	1		10/29/14 14:30	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-120	1		10/29/14 14:30	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	76.0	%	0.50	1		10/20/14 10:47		
2540G Total Percent Solids		Analytical Method: SM 2540G						
Total Solids	24.0	%	0.10	1		10/20/14 10:47		
Reactive Sulfide		Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2						
Sulfide, Reactive	ND	mg/kg	50.0	1	10/27/14 11:34	10/27/14 11:53		
9045 pH Soil		Analytical Method: EPA 9045						
pH at 25 Degrees C	7.2	Std. Units	0.10	1		10/29/14 13:30		H1
9095 Paint Filter Liquid Test		Analytical Method: EPA 9095						
Free Liquids	negative			1		10/24/14 08:10		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60180589

Sample: SLUDGE TRUCK #7 **Lab ID: 60180589001** Collected: 10/16/14 10:10 Received: 10/17/14 02:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Flashpoint, Open Cup		Analytical Method: ASTM D92						
Flashpoint	>210	deg F		1		10/31/14 07:45		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Preparation Method: EPA 300.0						
Sulfate	887	mg/kg	412	10	10/21/14 13:00	10/27/14 12:04	14808-79-8	
733C S Reactive Cyanide		Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2						
Cyanide, Reactive	ND	mg/kg	25.0	1	10/27/14 11:35	10/27/14 14:34		
9023 Ext. Organic Halides EOX		Analytical Method: EPA 9023 Preparation Method: EPA 9023						
Extractable Organic Halogens	ND	mg/kg	200	1	11/01/14 08:00	11/01/14 10:22		
9065 Phenolics, Total		Analytical Method: EPA 9065 Preparation Method: EPA 9065						
Phenolics, Total Recoverable	18.0	mg/kg	0.60	1	10/27/14 14:59	10/28/14 13:32		D6

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON 4337

Pace Project No.: 60180589

Sample: SLUDGE TRUCK #7 **Lab ID: 60180589002** Collected: 10/16/14 10:00 Received: 10/17/14 02:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND	ug/kg	884	1	10/20/14 00:00	10/22/14 15:39	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	1770	1	10/20/14 00:00	10/22/14 15:39	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	884	1	10/20/14 00:00	10/22/14 15:39	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	884	1	10/20/14 00:00	10/22/14 15:39	53469-21-9	
PCB-1248 (Aroclor 1248)	1520	ug/kg	884	1	10/20/14 00:00	10/22/14 15:39	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	884	1	10/20/14 00:00	10/22/14 15:39	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	884	1	10/20/14 00:00	10/22/14 15:39	11096-82-5	CL
Surrogates								
Decachlorobiphenyl (S)	79 %		38-119	1	10/20/14 00:00	10/22/14 15:39	2051-24-3	
8260 MSV TCLP		Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 10/27/14 00:00						
Benzene	ND	ug/L	50.0	1		10/29/14 14:45	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000	1		10/29/14 14:45	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	1		10/29/14 14:45	56-23-5	
Chlorobenzene	ND	ug/L	50.0	1		10/29/14 14:45	108-90-7	
Chloroform	ND	ug/L	200	1		10/29/14 14:45	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	1		10/29/14 14:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	1		10/29/14 14:45	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	1		10/29/14 14:45	127-18-4	
Trichloroethene	ND	ug/L	50.0	1		10/29/14 14:45	79-01-6	
Vinyl chloride	ND	ug/L	20.0	1		10/29/14 14:45	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	92 %		80-120	1		10/29/14 14:45	17060-07-0	
Toluene-d8 (S)	97 %		80-120	1		10/29/14 14:45	2037-26-5	
4-Bromofluorobenzene (S)	100 %		80-120	1		10/29/14 14:45	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974						
Percent Moisture	77.7	%	0.50	1		10/28/14 00:00		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: MERP/8968

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury TCLP

Associated Lab Samples: 60180589001

METHOD BLANK: 1467934

Matrix: Water

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.0020	10/27/14 12:36	

LABORATORY CONTROL SAMPLE: 1467935

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.005	0.0058	116	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1467936 1467937

Parameter	Units	60180589001		MS		MSD		% Rec		Max		Qual	
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD		RPD
Mercury	mg/L	ND	.015	.015	.015	.015	.015	99	100	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: MPRP/29497

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET TCLP

Associated Lab Samples: 60180589001

METHOD BLANK: 1468184

Matrix: Water

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.50	10/28/14 18:10	
Barium	mg/L	ND	2.5	10/28/14 18:10	
Cadmium	mg/L	ND	0.050	10/28/14 18:10	
Chromium	mg/L	ND	0.10	10/28/14 18:10	
Lead	mg/L	ND	0.50	10/28/14 18:10	
Selenium	mg/L	ND	0.50	10/28/14 18:10	
Silver	mg/L	ND	0.10	10/28/14 18:10	

LABORATORY CONTROL SAMPLE: 1468185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	0.95	95	80-120	
Barium	mg/L	1	1.0	103	80-120	
Cadmium	mg/L	1	0.97	97	80-120	
Chromium	mg/L	1	0.95	95	80-120	
Lead	mg/L	1	0.98	98	80-120	
Selenium	mg/L	1	0.91	91	80-120	
Silver	mg/L	.5	0.48	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468186 1468187

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
Arsenic	mg/L	ND	10	10	9.5	9.5	95	75-125	0	20	
Barium	mg/L	ND	10	10	10	10.1	99	75-125	1	20	
Cadmium	mg/L	ND	10	10	9.5	9.5	95	75-125	0	20	
Chromium	mg/L	ND	10	10	9.0	9.1	90	75-125	1	20	
Lead	mg/L	ND	10	10	9.3	9.4	93	75-125	0	20	
Selenium	mg/L	ND	10	10	9.2	9.2	92	75-125	0	20	
Silver	mg/L	ND	5	5	4.8	4.8	94	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: MSV/65406 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
 Associated Lab Samples: 60180589001, 60180589002

METHOD BLANK: 1469007 Matrix: Water

Associated Lab Samples: 60180589001, 60180589002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	10/29/14 12:27	
1,2-Dichloroethane	ug/L	ND	50.0	10/29/14 12:27	
2-Butanone (MEK)	ug/L	ND	1000	10/29/14 12:27	
Benzene	ug/L	ND	50.0	10/29/14 12:27	
Carbon tetrachloride	ug/L	ND	50.0	10/29/14 12:27	
Chlorobenzene	ug/L	ND	50.0	10/29/14 12:27	
Chloroform	ug/L	ND	200	10/29/14 12:27	
Tetrachloroethene	ug/L	ND	50.0	10/29/14 12:27	
Trichloroethene	ug/L	ND	50.0	10/29/14 12:27	
Vinyl chloride	ug/L	ND	20.0	10/29/14 12:27	
1,2-Dichloroethane-d4 (S)	%	101	80-120	10/29/14 12:27	
4-Bromofluorobenzene (S)	%	99	80-120	10/29/14 12:27	
Toluene-d8 (S)	%	99	80-120	10/29/14 12:27	

LABORATORY CONTROL SAMPLE: 1469008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	1000	942	94	78-126	
1,2-Dichloroethane	ug/L	1000	832	83	77-123	
2-Butanone (MEK)	ug/L	5000	3700	74	52-145	
Benzene	ug/L	1000	826	83	80-120	
Carbon tetrachloride	ug/L	1000	940	94	78-128	
Chlorobenzene	ug/L	1000	837	84	80-120	
Chloroform	ug/L	1000	845	85	79-120	
Tetrachloroethene	ug/L	1000	844	84	80-121	
Trichloroethene	ug/L	1000	850	85	80-120	
Vinyl chloride	ug/L	1000	991	99	59-120	
1,2-Dichloroethane-d4 (S)	%			105	80-120	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			98	80-120	

MATRIX SPIKE SAMPLE: 1469009

Parameter	Units	60180638001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	1000	884	88	60-144	
1,2-Dichloroethane	ug/L	ND	1000	804	80	49-148	
2-Butanone (MEK)	ug/L	ND	5000	3570	71	36-145	
Benzene	ug/L	ND	1000	807	81	37-157	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

MATRIX SPIKE SAMPLE:		1469009						
Parameter	Units	60180638001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers	
Carbon tetrachloride	ug/L	ND	1000	730	73	68-142		
Chlorobenzene	ug/L	ND	1000	823	82	66-133		
Chloroform	ug/L	ND	1000	824	82	66-127		
Tetrachloroethene	ug/L	ND	1000	796	80	69-133		
Trichloroethene	ug/L	ND	1000	826	81	61-135		
Vinyl chloride	ug/L	ND	1000	928	93	44-128		
1,2-Dichloroethane-d4 (S)	%				93	80-120		
4-Bromofluorobenzene (S)	%				99	80-120		
Toluene-d8 (S)	%				98	80-120		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch:	OEXT/3259	Analysis Method:	EPA 8081A
QC Batch Method:	EPA 3535	Analysis Description:	8081A GCS TCLP Pesticides
Associated Lab Samples:	60180589001		

METHOD BLANK: 65584 Matrix: Water

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	10/29/14 11:55	
Endrin	mg/L	ND	0.0010	10/29/14 11:55	
gamma-BHC (Lindane)	mg/L	ND	0.00050	10/29/14 11:55	
Heptachlor	mg/L	ND	0.00050	10/29/14 11:55	
Heptachlor epoxide	mg/L	ND	0.00050	10/29/14 11:55	
Methoxychlor	mg/L	ND	0.0050	10/29/14 11:55	
Toxaphene	mg/L	ND	0.020	10/29/14 11:55	
Decachlorobiphenyl (S)	%	86	14-126	10/29/14 11:55	
Decachlorobiphenyl (S)	%	89	14-126	10/29/14 11:55	
Tetrachloro-m-xylene (S)	%	44	10-119	10/29/14 11:55	
Tetrachloro-m-xylene (S)	%	48	10-119	10/29/14 11:55	

LABORATORY CONTROL SAMPLE: 65871

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	.005	0.0044	88	20-153	
gamma-BHC (Lindane)	mg/L	.005	0.0044	89	28-128	
Heptachlor	mg/L	.005	0.0033	66	10-115	
Heptachlor epoxide	mg/L	.005	0.0042	83	30-119	
Methoxychlor	mg/L	.005	.0034J	69	21-150	
Decachlorobiphenyl (S)	%			94	14-126	
Decachlorobiphenyl (S)	%			97	14-126	
Tetrachloro-m-xylene (S)	%			62	10-119	
Tetrachloro-m-xylene (S)	%			67	10-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 65872 65873

Parameter	Units	60180589001		65872		65873		% Rec	% Rec	% Rec	Max	Qual
		MS Result	MSD Spike Conc.	MS Spike Conc.	MSD Result	MS Result	MSD Result					
Endrin	mg/L	ND	.005	.005	0.0042	0.0044	83	88	22-160	6	20	
gamma-BHC (Lindane)	mg/L	ND	.005	.005	0.0038	0.0040	75	79	17-149	5	20	
Heptachlor	mg/L	ND	.005	.005	0.0030	0.0023	58	44	10-134	27	20	R1
Heptachlor epoxide	mg/L	ND	.005	.005	0.0036	0.0037	72	73	13-147	3	20	
Methoxychlor	mg/L	ND	.005	.005	.0034J	.0036J	67	71	17-166		20	
Decachlorobiphenyl (S)	%						85	95	14-126			
Decachlorobiphenyl (S)	%						92	99	14-126			
Tetrachloro-m-xylene (S)	%						58	49	10-119			
Tetrachloro-m-xylene (S)	%						53	46	10-119			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch:	OEXT/46732	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3546	Analysis Description:	8082 GCS PCB
Associated Lab Samples:	60180589002		

METHOD BLANK: 1463668 Matrix: Solid

Associated Lab Samples: 60180589002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.7	10/21/14 16:47	
PCB-1221 (Aroclor 1221)	ug/kg	ND	65.4	10/21/14 16:47	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.7	10/21/14 16:47	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.7	10/21/14 16:47	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.7	10/21/14 16:47	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.7	10/21/14 16:47	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.7	10/21/14 16:47	
Decachlorobiphenyl (S)	%	98	38-119	10/21/14 16:47	

LABORATORY CONTROL SAMPLE: 1463669

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	159	173	108	71-122	
PCB-1260 (Aroclor 1260)	ug/kg	159	174	109	75-117	
Decachlorobiphenyl (S)	%			101	38-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1463670 1463671

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		60180476007 Result	Spike Conc.	Spike Conc.	MS Result						
PCB-1016 (Aroclor 1016)	ug/kg	ND	194	197	179	187	92	95	20-160	4	35
PCB-1260 (Aroclor 1260)	ug/kg	ND	194	197	175	195	91	99	17-160	10	34
Decachlorobiphenyl (S)	%						79	87	38-119		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch:	OEXT/3258	Analysis Method:	EPA 8151
QC Batch Method:	EPA 3535A	Analysis Description:	8151 GCS TCLP Herbicides
Associated Lab Samples:	60180589001		

METHOD BLANK: 65584 Matrix: Water

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.020	10/31/14 15:23	
2,4-D	mg/L	ND	0.020	10/31/14 15:23	
2,4-DCAA (S)	%.	78	10-166	10/31/14 15:23	
2,4-DCAA (S)	%.	79	10-166	10/31/14 15:23	

LABORATORY CONTROL SAMPLE: 65853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.04	0.026	65	22-158	
2,4-D	mg/L	.04	0.025	62	10-151	
2,4-DCAA (S)	%.			69	10-166	
2,4-DCAA (S)	%.			73	10-166	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 65854 65855

Parameter	Units	60180589001		65855		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
2,4,5-TP (Silvex)	mg/L	ND	.04	.04	0.030	ND	76	12	16-164	20	M1
2,4-D	mg/L	ND	.04	.04	0.029	ND	71	11	10-160	20	
2,4-DCAA (S)	%.						84	14	10-166		
2,4-DCAA (S)	%.						79	13	10-166		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: OEXT/46834

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 TCLP MSSV

Associated Lab Samples: 60180589001

METHOD BLANK: 1468030

Matrix: Water

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	10/27/14 13:49	
2,4,5-Trichlorophenol	ug/L	ND	500	10/27/14 13:49	
2,4,6-Trichlorophenol	ug/L	ND	100	10/27/14 13:49	
2,4-Dinitrotoluene	ug/L	ND	100	10/27/14 13:49	
2-Methylphenol(o-Cresol)	ug/L	ND	100	10/27/14 13:49	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	10/27/14 13:49	
Hexachloro-1,3-butadiene	ug/L	ND	100	10/27/14 13:49	
Hexachlorobenzene	ug/L	ND	100	10/27/14 13:49	
Hexachloroethane	ug/L	ND	100	10/27/14 13:49	
Nitrobenzene	ug/L	ND	100	10/27/14 13:49	
Pentachlorophenol	ug/L	ND	500	10/27/14 13:49	
Pyridine	ug/L	ND	100	10/27/14 13:49	
2,4,6-Tribromophenol (S)	%	79	36-128	10/27/14 13:49	
2-Fluorobiphenyl (S)	%	108	49-120	10/27/14 13:49	
2-Fluorophenol (S)	%	77	37-120	10/27/14 13:49	
Nitrobenzene-d5 (S)	%	110	44-120	10/27/14 13:49	
Phenol-d6 (S)	%	84	36-120	10/27/14 13:49	
Terphenyl-d14 (S)	%	100	52-122	10/27/14 13:49	

METHOD BLANK: 1468032

Matrix: Water

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	10/27/14 14:53	
2,4,5-Trichlorophenol	ug/L	ND	500	10/27/14 14:53	
2,4,6-Trichlorophenol	ug/L	ND	100	10/27/14 14:53	
2,4-Dinitrotoluene	ug/L	ND	100	10/27/14 14:53	
2-Methylphenol(o-Cresol)	ug/L	ND	100	10/27/14 14:53	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	10/27/14 14:53	
Hexachloro-1,3-butadiene	ug/L	ND	100	10/27/14 14:53	
Hexachlorobenzene	ug/L	ND	100	10/27/14 14:53	
Hexachloroethane	ug/L	ND	100	10/27/14 14:53	
Nitrobenzene	ug/L	ND	100	10/27/14 14:53	
Pentachlorophenol	ug/L	ND	500	10/27/14 14:53	
Pyridine	ug/L	ND	100	10/27/14 14:53	
2,4,6-Tribromophenol (S)	%	72	36-128	10/27/14 14:53	
2-Fluorobiphenyl (S)	%	96	49-120	10/27/14 14:53	
2-Fluorophenol (S)	%	76	37-120	10/27/14 14:53	
Nitrobenzene-d5 (S)	%	102	44-120	10/27/14 14:53	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

METHOD BLANK: 1468032

Matrix: Water

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenol-d6 (S)	%	84	36-120	10/27/14 14:53	
Terphenyl-d14 (S)	%	94	52-122	10/27/14 14:53	

LABORATORY CONTROL SAMPLE: 1468031

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	433	87	47-120	
2,4,5-Trichlorophenol	ug/L	500	563	113	51-124	
2,4,6-Trichlorophenol	ug/L	500	558	112	46-120	
2,4-Dinitrotoluene	ug/L	500	434	87	38-120	
2-Methylphenol(o-Cresol)	ug/L	500	491	98	46-120	
3&4-Methylphenol(m&p Cresol)	ug/L	1000	973	97	41-120	
Hexachloro-1,3-butadiene	ug/L	500	367	73	49-120	
Hexachlorobenzene	ug/L	500	396	79	50-120	
Hexachloroethane	ug/L	500	410	82	38-120	
Nitrobenzene	ug/L	500	532	106	49-120	
Pentachlorophenol	ug/L	500	373J	75	35-125	
Pyridine	ug/L	500	494	99	10-120	
2,4,6-Tribromophenol (S)	%			74	36-128	
2-Fluorobiphenyl (S)	%			99	49-120	
2-Fluorophenol (S)	%			78	37-120	
Nitrobenzene-d5 (S)	%			106	44-120	
Phenol-d6 (S)	%			89	36-120	
Terphenyl-d14 (S)	%			96	52-122	

MATRIX SPIKE SAMPLE: 1468033

Parameter	Units	60180565002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	500	420	84	48-120	
2,4,5-Trichlorophenol	ug/L	ND	500	549	110	57-120	
2,4,6-Trichlorophenol	ug/L	ND	500	557	111	48-120	
2,4-Dinitrotoluene	ug/L	ND	500	432	86	38-120	
2-Methylphenol(o-Cresol)	ug/L	ND	500	476	95	48-120	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	1000	935	94	47-120	
Hexachloro-1,3-butadiene	ug/L	ND	500	378	76	49-120	
Hexachlorobenzene	ug/L	ND	500	384	77	53-120	
Hexachloroethane	ug/L	ND	500	411	82	38-120	
Nitrobenzene	ug/L	ND	500	528	106	51-120	
Pentachlorophenol	ug/L	ND	500	347J	69	34-131	
Pyridine	ug/L	ND	500	495	99	10-120	
2,4,6-Tribromophenol (S)	%				74	36-128	
2-Fluorobiphenyl (S)	%				99	49-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

MATRIX SPIKE SAMPLE:		1468033					
Parameter	Units	60180565002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2-Fluorophenol (S)	%				78	37-120	
Nitrobenzene-d5 (S)	%				107	44-120	
Phenol-d6 (S)	%				88	36-120	
Terphenyl-d14 (S)	%				97	52-122	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: PMST/10134

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 60180589001

SAMPLE DUPLICATE: 1463590

Parameter	Units	60180210008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	99.1	99.1	0	20	

SAMPLE DUPLICATE: 1463591

Parameter	Units	60180589001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	76.0	76.7	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: PMST/10163

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 60180589002

METHOD BLANK: 1468607

Matrix: Solid

Associated Lab Samples: 60180589002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	10/28/14 00:00	

SAMPLE DUPLICATE: 1468608

Parameter	Units	60180725001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.0	20.6	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: WET/50989

Analysis Method: SM 2540G

QC Batch Method: SM 2540G

Analysis Description: 2540G Total Solids

Associated Lab Samples: 60180589001

METHOD BLANK: 1463588

Matrix: Solid

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	10/20/14 10:48	

SAMPLE DUPLICATE: 1463581

Parameter	Units	60180589001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	24.0	23.3	3	8	

SAMPLE DUPLICATE: 1463589

Parameter	Units	60180210008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	0.88	0.88	0	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch:	WET/4048	Analysis Method:	SW-846 7.3.4.2
QC Batch Method:	SW-846 7.3.4.2	Analysis Description:	Reactive Sulfide
Associated Lab Samples:	60180589001		

METHOD BLANK: 65412 Matrix: Solid
Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	ND	50.0	10/27/14 11:53	

LABORATORY CONTROL SAMPLE: 65413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	500	441	88	1-110	

MATRIX SPIKE SAMPLE: 65415

Parameter	Units	2011329001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	ND	500	441	84	1-110	

SAMPLE DUPLICATE: 65414

Parameter	Units	2011329001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: WET/51236

Analysis Method: EPA 9045

QC Batch Method: EPA 9045

Analysis Description: 9045 pH

Associated Lab Samples: 60180589001

SAMPLE DUPLICATE: 1469580

Parameter	Units	60180565001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	0	3	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: WET/51097

Analysis Method: EPA 9095

QC Batch Method: EPA 9095

Analysis Description: 9095 PAINT FILTER LIQUID TEST

Associated Lab Samples: 60180589001

SAMPLE DUPLICATE: 1466091

Parameter	Units	60180923001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids		negative	negative			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: WETA/31453

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Associated Lab Samples: 60180589001

METHOD BLANK: 1464507

Matrix: Solid

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/kg	ND	100	10/26/14 17:29	

METHOD BLANK: 1468525

Matrix: Solid

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/kg	ND	100	10/27/14 21:16	

LABORATORY CONTROL SAMPLE: 1464508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/kg	500	500	100	90-110	

LABORATORY CONTROL SAMPLE: 1468526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/kg	500	519	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1464509 1464510

Parameter	Units	60180470021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/kg	1240	518	518	1560	1700	61	89	80-120	9	15	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch:	WETA/3542	Analysis Method:	SW-846 7.3.3.2
QC Batch Method:	SW-846 7.3.3.2	Analysis Description:	733C Reactive Cyanide
Associated Lab Samples:	60180589001		

METHOD BLANK: 65416 Matrix: Solid

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	ND	25.0	10/27/14 14:34	

LABORATORY CONTROL SAMPLE: 65417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	100	ND	4	1-110	

MATRIX SPIKE SAMPLE: 65419

Parameter	Units	2011329001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	ND	100	ND	4	1-110	

SAMPLE DUPLICATE: 65418

Parameter	Units	2011329001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch: WETA/3620

Analysis Method: EPA 9023

QC Batch Method: EPA 9023

Analysis Description: 9023 Extractable Organic Halides EOX

Associated Lab Samples: 60180589001

METHOD BLANK: 66873

Matrix: Solid

Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Extractable Organic Halogens	mg/kg	ND	49.7	11/01/14 09:41	

LABORATORY CONTROL SAMPLE: 66874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Extractable Organic Halogens	mg/kg	1020	1100	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 66875

66876

Parameter	Units	30132033003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Extractable Organic Halogens	mg/kg	ND	1220	1250	1140	1230	92	96	75-125	8	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON 4337

Pace Project No.: 60180589

QC Batch:	WETA/3545	Analysis Method:	EPA 9065
QC Batch Method:	EPA 9065	Analysis Description:	9065 Phenolics
Associated Lab Samples:	60180589001		

METHOD BLANK: 65426 Matrix: Solid
Associated Lab Samples: 60180589001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/kg	ND	0.15	10/28/14 13:28	

LABORATORY CONTROL SAMPLE: 65427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/kg	2.5	2.4	96	80-120	

MATRIX SPIKE SAMPLE: 65429

Parameter	Units	60180589001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/kg	18.0	9.58	28.5	110	75-125	

SAMPLE DUPLICATE: 65428

Parameter	Units	60180589001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phenolics, Total Recoverable	mg/kg	18.0	13.1	31	20	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON 4337

Pace Project No.: 60180589

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-K Pace Analytical Services - Kansas City

PASI-N Pace Analytical Services - New Orleans

ANALYTE QUALIFIERS

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H1 Analysis conducted outside the EPA method holding time.

H3 Sample was received or analysis requested beyond the recognized method holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON 4337

Pace Project No.: 60180589

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180589001	SLUDGE TRUCK #7	EPA 3535	OEXT/3259	EPA 8081A	GCSV/2703
60180589002	SLUDGE TRUCK #7	EPA 3546	OEXT/46732	EPA 8082	GCSV/17826
60180589001	SLUDGE TRUCK #7	EPA 3535A	OEXT/3258	EPA 8151	GCSV/2707
60180589001	SLUDGE TRUCK #7	EPA 3010	MPRP/29497	EPA 6010	ICP/22141
60180589001	SLUDGE TRUCK #7	EPA 7470	MERP/8968	EPA 7470	MERC/8916
60180589001	SLUDGE TRUCK #7	EPA 3510	OEXT/46834	EPA 8270	MSSV/15068
60180589001	SLUDGE TRUCK #7	EPA 8260	MSV/65406		
60180589002	SLUDGE TRUCK #7	EPA 8260	MSV/65406		
60180589001	SLUDGE TRUCK #7	ASTM D2974	PMST/10134		
60180589002	SLUDGE TRUCK #7	ASTM D2974	PMST/10163		
60180589001	SLUDGE TRUCK #7	SM 2540G	WET/50989		
60180589001	SLUDGE TRUCK #7	SW-846 7.3.4.2	WET/4048	SW-846 7.3.4.2	WET/4055
60180589001	SLUDGE TRUCK #7	EPA 9045	WET/51236		
60180589001	SLUDGE TRUCK #7	EPA 9095	WET/51097		
60180589001	SLUDGE TRUCK #7	ASTM D92	WET/51284		
60180589001	SLUDGE TRUCK #7	EPA 300.0	WETA/31453	EPA 300.0	WETA/31457
60180589001	SLUDGE TRUCK #7	SW-846 7.3.3.2	WETA/3542	SW-846 7.3.3.2	WETA/3557
60180589001	SLUDGE TRUCK #7	EPA 9023	WETA/3620	EPA 9023	WETA/3627
60180589001	SLUDGE TRUCK #7	EPA 9065	WETA/3545	EPA 9065	WETA/3568

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO# : 60180589



Client Name: Republic - CEC

Courier: Fed Ex UPS USPS Client Commercial Pace Other XRoads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 5.4

Temperature should be above freezing to 6°C

Date and initials of person examining contents: JMS 10/17/14 905

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Includes date/time/ID/analyses Matrix: <u>soil</u>		13.
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>NA</u>
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Lot # of added preservative
Pace Trip Blank lot # (if purchased): <u>NA</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State <u>MD</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: Additional Analyses noted per CEC's Project Request

Project Manager Review: [Signature]

Date: 10/17/14



1000 Riverbend Blvd., Suite F
St. Rose, LA 70087

Sample Condition Upon Receipt

WO#: 2011434

PM: KHB

Due Date: 10/31/14

CLIENT: PASI-KANS PASI - Kansas

Proj

Courier: Pace Courier Hired Courier Fed X UPS DHL USPS Customer Other

Custody Seal on Cooler/Box Present: [see COC]

Custody Seals intact: Yes No

Thermometer Used: Therm Fisher IR 5 Therm Fisher IR 6 Therm Fisher IR 7

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 8°C

Date and initials of person examining contents: 10-25-14 JMB

Temp must be measured from Temperature blank when present

Comments:

Temperature Blank Present?"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Chain of Custody Complete:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8 8 of 15
Filtered vol. Rec. for Diss. tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10
All containers received within manufacture's precautionary and/or expiration dates.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15

Client Notification/ Resolution:

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

October 28, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101


RE: Project: BRIDGETON LF T1-039
Pace Project No.: 60180667

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 18, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180667001	T1-039	Water	10/17/14 06:05	10/18/14 01:40
60180667002	TRIP BLANK	Water	10/17/14 06:05	10/18/14 01:40

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180667001	T1-039	EPA 200.7	JGP	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	JML	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180667002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

Sample: T1-039	Lab ID: 60180667001	Collected: 10/17/14 06:05	Received: 10/18/14 01:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	4680 ug/L		375	1	10/21/14 10:30	10/22/14 15:19	7429-90-5	
Antimony	ND ug/L		50.0	1	10/21/14 10:30	10/22/14 15:19	7440-36-0	
Arsenic	471 ug/L		50.0	1	10/21/14 10:30	10/22/14 15:19	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/21/14 10:30	10/22/14 15:19	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/21/14 10:30	10/22/14 15:19	7440-43-9	
Chromium	123 ug/L		25.0	1	10/21/14 10:30	10/22/14 15:19	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/21/14 10:30	10/22/14 15:19	7440-48-4	
Copper	ND ug/L		50.0	1	10/21/14 10:30	10/22/14 15:19	7440-50-8	
Iron	348000 ug/L		250	1	10/21/14 10:30	10/22/14 15:19	7439-89-6	
Lead	85.7 ug/L		25.0	1	10/21/14 10:30	10/22/14 15:19	7439-92-1	
Nickel	70.9 ug/L		25.0	1	10/21/14 10:30	10/22/14 15:19	7440-02-0	
Selenium	ND ug/L		75.0	1	10/21/14 10:30	10/22/14 15:19	7782-49-2	
Silver	ND ug/L		35.0	1	10/21/14 10:30	10/22/14 15:19	7440-22-4	
Thallium	ND ug/L		100	1	10/21/14 10:30	10/22/14 15:19	7440-28-0	
Zinc	3000 ug/L		250	1	10/21/14 10:30	10/22/14 15:19	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/21/14 15:00	10/22/14 10:41	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/21/14 15:00	10/22/14 10:41	7440-36-0	
Arsenic, Dissolved	262 ug/L		50.0	1	10/21/14 15:00	10/22/14 10:41	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/21/14 15:00	10/22/14 10:41	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/21/14 15:00	10/22/14 10:41	7440-43-9	
Chromium, Dissolved	51.8 ug/L		25.0	1	10/21/14 15:00	10/22/14 10:41	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/21/14 15:00	10/22/14 10:41	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/21/14 15:00	10/22/14 10:41	7440-50-8	
Iron, Dissolved	76800 ug/L		250	1	10/21/14 15:00	10/22/14 10:41	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/21/14 15:00	10/22/14 10:41	7439-92-1	
Nickel, Dissolved	42.3 ug/L		25.0	1	10/21/14 15:00	10/22/14 10:41	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/21/14 15:00	10/22/14 10:41	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/21/14 15:00	10/22/14 10:41	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/21/14 15:00	10/22/14 10:41	7440-28-0	
Zinc, Dissolved	382 ug/L		250	1	10/21/14 15:00	10/22/14 10:41	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	10/20/14 10:05	10/21/14 09:36	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/23/14 08:50	10/23/14 13:14	7439-97-6	M1
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/20/14 00:00	10/21/14 18:23	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/20/14 00:00	10/21/14 18:23	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/20/14 00:00	10/21/14 18:23	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/20/14 00:00	10/21/14 18:23	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/20/14 00:00	10/21/14 18:23	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2010 ug/L		2000	1	10/20/14 00:00	10/21/14 18:23		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

Sample: T1-039	Lab ID: 60180667001	Collected: 10/17/14 06:05	Received: 10/18/14 01:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/20/14 00:00	10/21/14 18:23	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/20/14 00:00	10/21/14 18:23	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/20/14 00:00	10/21/14 18:23	87-86-5	L3
Phenol	3140 ug/L		500	1	10/20/14 00:00	10/21/14 18:23	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/20/14 00:00	10/21/14 18:23	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/20/14 00:00	10/21/14 18:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	76 %		33-120	1	10/20/14 00:00	10/21/14 18:23	4165-60-0	
2-Fluorobiphenyl (S)	69 %		39-120	1	10/20/14 00:00	10/21/14 18:23	321-60-8	
Terphenyl-d14 (S)	80 %		45-120	1	10/20/14 00:00	10/21/14 18:23	1718-51-0	
Phenol-d6 (S)	28 %		11-120	1	10/20/14 00:00	10/21/14 18:23	13127-88-3	
2-Fluorophenol (S)	37 %		17-120	1	10/20/14 00:00	10/21/14 18:23	367-12-4	
2,4,6-Tribromophenol (S)	76 %		39-120	1	10/20/14 00:00	10/21/14 18:23	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	58100 ug/L		1000	100		10/21/14 17:53	67-64-1	N2
Benzene	ND ug/L		100	100		10/21/14 17:53	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/21/14 17:53	75-27-4	
Bromoform	ND ug/L		100	100		10/21/14 17:53	75-25-2	
Bromomethane	ND ug/L		500	100		10/21/14 17:53	74-83-9	
2-Butanone (MEK)	30200 ug/L		1000	100		10/21/14 17:53	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/21/14 17:53	56-23-5	
Chloroethane	ND ug/L		100	100		10/21/14 17:53	75-00-3	
Chloroform	ND ug/L		100	100		10/21/14 17:53	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/21/14 17:53	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/21/14 17:53	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/21/14 17:53	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/21/14 17:53	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/21/14 17:53	100-41-4	
Methylene chloride	ND ug/L		100	100		10/21/14 17:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/21/14 17:53	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/21/14 17:53	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/21/14 17:53	127-18-4	
Toluene	ND ug/L		100	100		10/21/14 17:53	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/21/14 17:53	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/21/14 17:53	79-00-5	
Trichloroethene	ND ug/L		100	100		10/21/14 17:53	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/21/14 17:53	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/21/14 17:53	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	101 %		80-120	100		10/21/14 17:53	460-00-4	
Toluene-d8 (S)	102 %		80-120	100		10/21/14 17:53	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	100		10/21/14 17:53	17060-07-0	
Preservation pH	6.0		1.0	100		10/21/14 17:53		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	189 mg/L		5.0	1		10/22/14 15:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

Sample: T1-039		Lab ID: 60180667001	Collected: 10/17/14 06:05	Received: 10/18/14 01:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/22/14 15:10		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	2700	mg/L	5.0	1		10/22/14 08:32		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.0	Std. Units	0.10	1		10/20/14 13:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	9150	mg/L	2.0	1	10/18/14 12:26	10/23/14 16:55		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	162	mg/L	10.0	100		10/23/14 10:53	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	19600	mg/L	2500	250		10/22/14 08:06		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

Sample: TRIP BLANK		Lab ID: 60180667002	Collected: 10/17/14 06:05	Received: 10/18/14 01:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/21/14 18:35	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/21/14 18:35	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/21/14 18:35	75-27-4	
Bromoform	ND ug/L		1.0	1		10/21/14 18:35	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/21/14 18:35	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/21/14 18:35	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/21/14 18:35	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/21/14 18:35	75-00-3	
Chloroform	ND ug/L		1.0	1		10/21/14 18:35	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/21/14 18:35	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/21/14 18:35	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/21/14 18:35	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/21/14 18:35	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/21/14 18:35	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/21/14 18:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/21/14 18:35	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/21/14 18:35	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/21/14 18:35	127-18-4	
Toluene	ND ug/L		1.0	1		10/21/14 18:35	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/21/14 18:35	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/21/14 18:35	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/21/14 18:35	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/21/14 18:35	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/21/14 18:35	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	100 %		80-120	1		10/21/14 18:35	460-00-4	
Toluene-d8 (S)	98 %		80-120	1		10/21/14 18:35	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	1		10/21/14 18:35	17060-07-0	
Preservation pH	6.0		1.0	1		10/21/14 18:35		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch: MERP/8928

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60180667001

METHOD BLANK: 1463522

Matrix: Water

Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/21/14 09:16	

LABORATORY CONTROL SAMPLE: 1463523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	95	85-115	

MATRIX SPIKE SAMPLE: 1463524

Parameter	Units	60180547001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	90.6	57	70-130	M1

MATRIX SPIKE SAMPLE: 1463525

Parameter	Units	60180667001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	150	91.8	58	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch: MERP/8940

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60180667001

METHOD BLANK: 1465000

Matrix: Water

Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/23/14 13:05	

LABORATORY CONTROL SAMPLE: 1465001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1465002 1465003

Parameter	Units	60180667001		MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	ND	Spike Conc.	Conc.	Result	Result	% Rec	% Rec						
Mercury, Dissolved	ug/L	ND	150	150	90.3	88.5	60	59	70-130	2	20	M1			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch: MPRP/29402

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60180667001

METHOD BLANK: 1464138

Matrix: Water

Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/22/14 10:53	
Antimony	ug/L	ND	10.0	10/22/14 10:53	
Arsenic	ug/L	ND	10.0	10/22/14 10:53	
Beryllium	ug/L	ND	1.0	10/22/14 10:53	
Cadmium	ug/L	ND	5.0	10/22/14 10:53	
Chromium	ug/L	ND	5.0	10/22/14 10:53	
Cobalt	ug/L	ND	5.0	10/22/14 10:53	
Copper	ug/L	ND	10.0	10/22/14 10:53	
Iron	ug/L	ND	50.0	10/22/14 10:53	
Lead	ug/L	ND	5.0	10/22/14 10:53	
Nickel	ug/L	ND	5.0	10/22/14 10:53	
Selenium	ug/L	ND	15.0	10/22/14 10:53	
Silver	ug/L	ND	7.0	10/22/14 10:53	
Thallium	ug/L	ND	20.0	10/22/14 10:53	
Zinc	ug/L	ND	50.0	10/22/14 10:53	

LABORATORY CONTROL SAMPLE: 1464139

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9430	94	85-115	
Antimony	ug/L	1000	927	93	85-115	
Arsenic	ug/L	1000	896	90	85-115	
Beryllium	ug/L	1000	909	91	85-115	
Cadmium	ug/L	1000	922	92	85-115	
Chromium	ug/L	1000	949	95	85-115	
Cobalt	ug/L	1000	962	96	85-115	
Copper	ug/L	1000	935	94	85-115	
Iron	ug/L	10000	9550	96	85-115	
Lead	ug/L	1000	890	89	85-115	
Nickel	ug/L	1000	929	93	85-115	
Selenium	ug/L	1000	874	87	85-115	
Silver	ug/L	500	431	86	85-115	
Thallium	ug/L	1000	946	95	85-115	
Zinc	ug/L	1000	903	90	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1464140												1464141											
Parameter	Units	60180438001 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual									
			Spike Conc.	MS Conc.	Spike Conc.	MSD Conc.																	
Aluminum	ug/L	5300	50000	50000	59400	59600	108	109	70-130	1	8												
Antimony	ug/L	ND	5000	5000	5260	5300	105	106	70-130	1	7												
Arsenic	ug/L	448	5000	5000	5720	5750	105	106	70-130	1	10												
Beryllium	ug/L	ND	5000	5000	4980	5000	100	100	70-130	1	7												
Cadmium	ug/L	ND	5000	5000	5220	5270	104	105	70-130	1	10												
Chromium	ug/L	136	5000	5000	5280	5360	103	104	70-130	1	10												
Cobalt	ug/L	ND	5000	5000	5100	5160	102	103	70-130	1	6												
Copper	ug/L	ND	5000	5000	5220	5280	104	105	70-130	1	11												
Iron	ug/L	381000	50000	50000	435000	439000	110	117	70-130	1	10												
Lead	ug/L	67.3	5000	5000	4590	4650	90	92	70-130	1	10												
Nickel	ug/L	76.8	5000	5000	4940	4990	97	98	70-130	1	10												
Selenium	ug/L	ND	5000	5000	5180	5210	103	104	70-130	1	10												
Silver	ug/L	ND	2500	2500	2490	2520	99	100	70-130	1	10												
Thallium	ug/L	ND	5000	5000	4550	4600	91	92	70-130	1	6												
Zinc	ug/L	3040	5000	5000	7720	7800	94	95	70-130	1	11												

MATRIX SPIKE SAMPLE: 1464142											
Parameter	Units	60180547001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	3840	50000
Antimony	ug/L	ND	5000	5260	105	70-130					
Arsenic	ug/L	411	5000	5620	104	70-130					
Beryllium	ug/L	ND	5000	4680	94	70-130					
Cadmium	ug/L	ND	5000	5080	102	70-130					
Chromium	ug/L	109	5000	4790	94	70-130					
Cobalt	ug/L	ND	5000	4890	97	70-130					
Copper	ug/L	ND	5000	5130	102	70-130					
Iron	ug/L	294000	50000	356000	123	70-130					
Lead	ug/L	68.9	5000	4850	96	70-130					
Nickel	ug/L	68.6	5000	4710	93	70-130					
Selenium	ug/L	ND	5000	5200	104	70-130					
Silver	ug/L	ND	2500	2700	108	70-130					
Thallium	ug/L	ND	5000	4350	87	70-130					
Zinc	ug/L	2680	5000	7520	97	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch: MPRP/29419

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180667001

METHOD BLANK: 1464448

Matrix: Water

Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/22/14 10:28	
Antimony, Dissolved	ug/L	ND	10.0	10/22/14 10:28	
Arsenic, Dissolved	ug/L	ND	10.0	10/22/14 10:28	
Beryllium, Dissolved	ug/L	ND	1.0	10/22/14 10:28	
Cadmium, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Chromium, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Cobalt, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Copper, Dissolved	ug/L	ND	10.0	10/22/14 10:28	
Iron, Dissolved	ug/L	ND	50.0	10/22/14 10:28	
Lead, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Nickel, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Selenium, Dissolved	ug/L	ND	15.0	10/22/14 10:28	
Silver, Dissolved	ug/L	ND	7.0	10/22/14 10:28	
Thallium, Dissolved	ug/L	ND	20.0	10/22/14 10:28	
Zinc, Dissolved	ug/L	ND	50.0	10/22/14 10:28	

LABORATORY CONTROL SAMPLE: 1464449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9660	97	85-115	
Antimony, Dissolved	ug/L	1000	1000	100	85-115	
Arsenic, Dissolved	ug/L	1000	980	98	85-115	
Beryllium, Dissolved	ug/L	1000	964	96	85-115	
Cadmium, Dissolved	ug/L	1000	990	99	85-115	
Chromium, Dissolved	ug/L	1000	959	96	85-115	
Cobalt, Dissolved	ug/L	1000	1020	102	85-115	
Copper, Dissolved	ug/L	1000	968	97	85-115	
Iron, Dissolved	ug/L	10000	9840	98	85-115	
Lead, Dissolved	ug/L	1000	979	98	85-115	
Nickel, Dissolved	ug/L	1000	1010	101	85-115	
Selenium, Dissolved	ug/L	1000	963	96	85-115	
Silver, Dissolved	ug/L	500	483	97	85-115	
Thallium, Dissolved	ug/L	1000	1000	100	85-115	
Zinc, Dissolved	ug/L	1000	986	99	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

Parameter	Units	40105039002		1464450		1464451		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Aluminum, Dissolved	ug/L	<75.0	10000	10000	9510	9590	95	96	70-130	1	8			
Antimony, Dissolved	ug/L	<10.0	1000	1000	1010	1020	101	102	70-130	1	7			
Arsenic, Dissolved	ug/L	<10.0	1000	1000	988	1000	99	100	70-130	1	10			
Beryllium, Dissolved	ug/L	<1.0	1000	1000	950	957	95	96	70-130	1	7			
Cadmium, Dissolved	ug/L	<5.0	1000	1000	990	999	99	100	70-130	1	10			
Chromium, Dissolved	ug/L	<5.0	1000	1000	930	940	93	94	70-130	1	10			
Cobalt, Dissolved	ug/L	<5.0	1000	1000	988	996	99	99	70-130	1	6			
Copper, Dissolved	ug/L	<10.0	1000	1000	971	977	97	97	70-130	1	11			
Iron, Dissolved	ug/L	<50.0	10000	10000	9640	9690	96	97	70-130	0	10			
Lead, Dissolved	ug/L	<5.0	1000	1000	946	957	94	95	70-130	1	10			
Nickel, Dissolved	ug/L	14.6	1000	1000	987	994	97	98	70-130	1	10			
Selenium, Dissolved	ug/L	<15.0	1000	1000	959	974	96	97	70-130	2	10			
Silver, Dissolved	ug/L	<7.0	500	500	480	485	96	97	70-130	1	10			
Thallium, Dissolved	ug/L	<20.0	1000	1000	974	983	97	98	70-130	1	6			
Zinc, Dissolved	ug/L	<50.0	1000	1000	945	952	94	95	70-130	1	11			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch: MSV/65224 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60180667001, 60180667002

METHOD BLANK: 1464161 Matrix: Water

Associated Lab Samples: 60180667001, 60180667002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/21/14 13:10	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/21/14 13:10	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/21/14 13:10	
1,2-Dichloroethane	ug/L	ND	1.0	10/21/14 13:10	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/21/14 13:10	
2-Butanone (MEK)	ug/L	ND	10.0	10/21/14 13:10	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/21/14 13:10	N2
Acetone	ug/L	ND	10.0	10/21/14 13:10	N2
Benzene	ug/L	ND	1.0	10/21/14 13:10	
Bromodichloromethane	ug/L	ND	1.0	10/21/14 13:10	
Bromoform	ug/L	ND	1.0	10/21/14 13:10	
Bromomethane	ug/L	ND	5.0	10/21/14 13:10	
Carbon tetrachloride	ug/L	ND	1.0	10/21/14 13:10	
Chloroethane	ug/L	ND	1.0	10/21/14 13:10	
Chloroform	ug/L	ND	1.0	10/21/14 13:10	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/21/14 13:10	N2
Ethylbenzene	ug/L	ND	1.0	10/21/14 13:10	
Methylene chloride	ug/L	ND	1.0	10/21/14 13:10	
Tetrachloroethene	ug/L	ND	1.0	10/21/14 13:10	
Toluene	ug/L	ND	1.0	10/21/14 13:10	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/21/14 13:10	
Trichloroethene	ug/L	ND	1.0	10/21/14 13:10	
Vinyl chloride	ug/L	ND	1.0	10/21/14 13:10	
Xylene (Total)	ug/L	ND	3.0	10/21/14 13:10	N2
1,2-Dichloroethane-d4 (S)	%	101	80-120	10/21/14 13:10	
4-Bromofluorobenzene (S)	%	108	80-120	10/21/14 13:10	
Toluene-d8 (S)	%	94	80-120	10/21/14 13:10	

LABORATORY CONTROL SAMPLE: 1464162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.8	104	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	23.3	116	67-127	N2
1,1,2-Trichloroethane	ug/L	20	22.2	111	67-124	
1,2-Dichloroethane	ug/L	20	22.1	110	70-126	
1,4-Dichlorobenzene	ug/L	20	22.2	111	74-120	
2-Butanone (MEK)	ug/L	100	94.7	95	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	95.0	95	59-131	N2
Acetone	ug/L	100	90.5	91	38-134	N2
Benzene	ug/L	20	20.6	103	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

LABORATORY CONTROL SAMPLE: 1464162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.1	106	68-125	
Bromoform	ug/L	20	22.0	110	65-127	
Bromomethane	ug/L	20	22.3	112	13-157	
Carbon tetrachloride	ug/L	20	21.0	105	70-131	
Chloroethane	ug/L	20	18.4	92	47-133	
Chloroform	ug/L	20	20.9	105	65-127	
cis-1,2-Dichloroethene	ug/L	20	20.8	104	68-127	N2
Ethylbenzene	ug/L	20	20.8	104	74-122	
Methylene chloride	ug/L	20	17.4	87	64-129	
Tetrachloroethene	ug/L	20	21.9	109	73-125	
Toluene	ug/L	20	19.4	97	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	66-129	
Trichloroethene	ug/L	20	20.1	101	71-123	
Vinyl chloride	ug/L	20	21.2	106	43-129	
Xylene (Total)	ug/L	60	63.0	105	75-121	N2
1,2-Dichloroethane-d4 (S)	%			104	80-120	
4-Bromofluorobenzene (S)	%			104	80-120	
Toluene-d8 (S)	%			95	80-120	

MATRIX SPIKE SAMPLE: 1464163

Parameter	Units	60180438001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L		ND	2000	2180	109	52-155
1,1,2,2-Tetrachloroethane	ug/L		ND	2000	2160	108	46-146 N2
1,1,2-Trichloroethane	ug/L		ND	2000	2080	104	52-143
1,2-Dichloroethane	ug/L		ND	2000	2050	103	49-144
1,4-Dichlorobenzene	ug/L		ND	2000	2310	113	33-140
2-Butanone (MEK)	ug/L	25300	10000	32200	69	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L		ND	10000	9980	95	40-160 N2
Acetone	ug/L	52100	10000	56600	44	10-160	N2
Benzene	ug/L		ND	2000	2130	106	37-151
Bromodichloromethane	ug/L		ND	2000	2070	104	35-142
Bromoform	ug/L		ND	2000	2080	104	45-142
Bromomethane	ug/L		ND	2000	2230	110	10-158
Carbon tetrachloride	ug/L		ND	2000	2270	114	70-140
Chloroethane	ug/L		ND	2000	2130	107	19-152
Chloroform	ug/L		ND	2000	2090	104	51-138
cis-1,2-Dichloroethene	ug/L		ND	2000	1970	99	34-147 N2
Ethylbenzene	ug/L		ND	2000	2280	114	40-142
Methylene chloride	ug/L		ND	2000	1720	85	31-144
Tetrachloroethene	ug/L		ND	2000	2340	117	64-148
Toluene	ug/L		ND	2000	2090	105	47-150
trans-1,2-Dichloroethene	ug/L		ND	2000	1980	99	54-151
Trichloroethene	ug/L		ND	2000	2110	105	71-149
Vinyl chloride	ug/L		ND	2000	2250	112	22-146

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

MATRIX SPIKE SAMPLE:		1464163					
Parameter	Units	60180438001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6950	116	37-144	N2
1,2-Dichloroethane-d4 (S)	%				98	80-120	
4-Bromofluorobenzene (S)	%				101	80-120	
Toluene-d8 (S)	%				97	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch:	OEXT/46731	Analysis Method:	EPA 625
QC Batch Method:	EPA 625	Analysis Description:	625 MSS
Associated Lab Samples:	60180667001		

METHOD BLANK: 1463665 Matrix: Water

Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/21/14 16:40	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/21/14 16:40	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/21/14 16:40	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/21/14 16:40	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/21/14 16:40	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/21/14 16:40	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/21/14 16:40	
Hexachloroethane	ug/L	ND	5.0	10/21/14 16:40	
Naphthalene	ug/L	ND	5.0	10/21/14 16:40	
Nitrobenzene	ug/L	ND	5.0	10/21/14 16:40	
Pentachlorophenol	ug/L	ND	5.0	10/21/14 16:40	
Phenol	ug/L	ND	5.0	10/21/14 16:40	
2,4,6-Tribromophenol (S)	%	87	39-120	10/21/14 16:40	
2-Fluorobiphenyl (S)	%	81	39-120	10/21/14 16:40	
2-Fluorophenol (S)	%	38	17-120	10/21/14 16:40	
Nitrobenzene-d5 (S)	%	77	33-120	10/21/14 16:40	
Phenol-d6 (S)	%	26	11-120	10/21/14 16:40	
Terphenyl-d14 (S)	%	95	45-120	10/21/14 16:40	

LABORATORY CONTROL SAMPLE: 1463666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	39.5	79	46-120	
2,4,6-Trichlorophenol	ug/L	50	43.6	87	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	31.3	63	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	29.1	58	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	46.0	92	40-133	
Hexachloro-1,3-butadiene	ug/L	50	39.2	78	44-116	
Hexachlorocyclopentadiene	ug/L	100	42.7	43	24-120	
Hexachloroethane	ug/L	50	34.4	69	43-113	
Naphthalene	ug/L	50	40.4	81	48-120	
Nitrobenzene	ug/L	50	40.2	80	48-120	
Pentachlorophenol	ug/L	50	113	226	47-120	L0
Phenol	ug/L	50	16.2	32	16-112	
2,4,6-Tribromophenol (S)	%			93	39-120	
2-Fluorobiphenyl (S)	%			86	39-120	
2-Fluorophenol (S)	%			39	17-120	
Nitrobenzene-d5 (S)	%			80	33-120	
Phenol-d6 (S)	%			28	11-120	
Terphenyl-d14 (S)	%			98	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

MATRIX SPIKE SAMPLE:		1463667					
Parameter	Units	60180547001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3410	68	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4070	81	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3300	66	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	5000	5340	72	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	1400J	28	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3260	65	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	694	7	11-120	M1
Hexachloroethane	ug/L	ND	5000	2730	55	40-113	
Naphthalene	ug/L	ND	5000	3770	72	45-120	
Nitrobenzene	ug/L	ND	5000	4130	83	38-120	
Pentachlorophenol	ug/L	ND	5000	11900	239	43-135	M0
Phenol	ug/L	2560	5000	5260	54	13-112	
2,4,6-Tribromophenol (S)	%				85	39-120	
2-Fluorobiphenyl (S)	%				75	39-120	
2-Fluorophenol (S)	%				40	17-120	
Nitrobenzene-d5 (S)	%				85	33-120	
Phenol-d6 (S)	%				30	11-120	
Terphenyl-d14 (S)	%				89	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch: WET/51048

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60180667001

METHOD BLANK: 1464851

Matrix: Water

Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/22/14 15:02	

LABORATORY CONTROL SAMPLE: 1464852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.2	100	78-114	

MATRIX SPIKE SAMPLE: 1464853

Parameter	Units	60180455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	22.5	42.6	67.2	105	78-114	

SAMPLE DUPLICATE: 1464854

Parameter	Units	60180387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	0.74J	1.9J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch:	WET/51049	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180667001		

METHOD BLANK: 1464857 Matrix: Water
Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/22/14 15:08	

LABORATORY CONTROL SAMPLE: 1464858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.2	116	64-132	

MATRIX SPIKE SAMPLE: 1464859

Parameter	Units	60180455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	21.3	16.8	66	64-132	

SAMPLE DUPLICATE: 1464860

Parameter	Units	60180387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	ND		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch:	WET/51021	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60180667001		

METHOD BLANK: 1464059 Matrix: Water

Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/22/14 08:28	

SAMPLE DUPLICATE: 1464060

Parameter	Units	60180554001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	34.0	32.0	6	10	

SAMPLE DUPLICATE: 1464061

Parameter	Units	60180626005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5.0	ND		10	

SAMPLE DUPLICATE: 1466138

Parameter	Units	60180640002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch: WET/51009 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180667001

SAMPLE DUPLICATE: 1463876

Parameter	Units	60180245002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch: WET/50979

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180667001

METHOD BLANK: 1463084

Matrix: Water

Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/23/14 16:40	

LABORATORY CONTROL SAMPLE: 1463085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	172	87	85-115	

SAMPLE DUPLICATE: 1463086

Parameter	Units	60180541002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	96.3	79.5	19	17	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch: WETA/31463 Analysis Method: EPA 350.1
 QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
 Associated Lab Samples: 60180667001

METHOD BLANK: 1464795 Matrix: Water
 Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/23/14 10:32	

LABORATORY CONTROL SAMPLE: 1464796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	103	90-110	

MATRIX SPIKE SAMPLE: 1464797

Parameter	Units	60180608002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	17.4	20	33.7	81	90-110	M1

MATRIX SPIKE SAMPLE: 1464798

Parameter	Units	60180619004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	2.1	104	90-110	

SAMPLE DUPLICATE: 1464799

Parameter	Units	60180657001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

QC Batch:	WETA/31451	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180667001		

METHOD BLANK: 1464018 Matrix: Water
Associated Lab Samples: 60180667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/22/14 07:54	

LABORATORY CONTROL SAMPLE: 1464019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	46.1	92	90-110	

MATRIX SPIKE SAMPLE: 1464020

Parameter	Units	60180222001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50	53.0	103	90-110	

MATRIX SPIKE SAMPLE: 1464022

Parameter	Units	60179048002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	78.3	50	127	98	90-110	

SAMPLE DUPLICATE: 1464021

Parameter	Units	60180243002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	24.6	26.7	8	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-039

Pace Project No.: 60180667

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180667001	T1-039	EPA 200.7	MPRP/29402	EPA 200.7	ICP/22085
60180667001	T1-039	EPA 200.7	MPRP/29419	EPA 200.7	ICP/22096
60180667001	T1-039	EPA 245.1	MERP/8928	EPA 245.1	MERC/8887
60180667001	T1-039	EPA 245.1	MERP/8940	EPA 245.1	MERC/8900
60180667001	T1-039	EPA 625	OEXT/46731	EPA 625	MSSV/15027
60180667001	T1-039	EPA 624 Low	MSV/65224		
60180667002	TRIP BLANK	EPA 624 Low	MSV/65224		
60180667001	T1-039	EPA 1664A	WET/51048		
60180667001	T1-039	EPA 1664A	WET/51049		
60180667001	T1-039	SM 2540D	WET/51021		
60180667001	T1-039	SM 4500-H+B	WET/51009		
60180667001	T1-039	SM 5210B	WET/50979	SM 5210B	WET/51178
60180667001	T1-039	EPA 350.1	WETA/31463		
60180667001	T1-039	EPA 410.4	WETA/31451		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180667



Optional
Proj Due Date:
Proj Name:

Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other Xroad

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other ZIPIC

Thermometer Used: T-239 / T-194

Type of Ice: Wet Blue None Samples received on ice, cooling process has begun, (circle one)

Cooler Temperature: 3.6

Date and initials of person examining contents: pu 10/18/14

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>PH BOD</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Includes date/time/ID/analyses Matrix: <u>WT</u>		
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>added 2.5 mL of HNO3 to BPSM. 6-0/3-6</u>
All containers needing preservation are found to be in compliance with EPA recommendation	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>Added 1.0 mL of H2SO4 to BPS. 5-0/2-0</u>
Exceptions: <u>VOA</u> , coliform, TOC, <u>O&G</u> WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>pu</u> Lot # of added preservative <u>12513 12787</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): <u>Cover</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AAF for NKB Date 10/18/14



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1716	T1-039	ORG 75-71-8	Dichlorodifluoromethane		UX-	ug/L	500	29.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 67-64-1	Acetone	84000	DBX+	ug/L	10000	1556.07	10/17/2014	10/17/2014	10/17/2014	WG	1000	NA	5.0	NA	SW8260B	NALD4997				
NAL13026-1716	T1-039	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 78-93-3	2-Butanone	16000		ug/L	1000	81.18	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 108-10-1	4-Methyl-2-pentanone	280	J	ug/L	500	74.00	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 591-78-6	2-Hexanone	290	JX+	ug/L	500	68.90	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1716	T1-039	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 95-63-6	1,2,4-Trimethylbenzene	220		ug/L	200	20.03	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 99-87-6	p-Isopropyltoluene	360		ug/L	200	25.48	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 106-46-7	1,4-Dichlorobenzene	70	J	ug/L	200	33.03	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 91-20-3	Naphthalene	340	J	ug/L	500	56.04	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990				
NAL13026-1716	T1-039	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990	50	102%		
NAL13026-1716	T1-039	STD 17060-07-0	1,2-Dichloroethane d4	57		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990	50	114%		
NAL13026-1716	T1-039	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990	50	102%		
NAL13026-1716	T1-039	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4990	50	110%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101714CCVA	D101714CCVA	ORG 75-71-8	Dichlorodifluoromethane	39		ug/L	5	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	78%		
D101714CCVA	D101714CCVA	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	82%		
D101714CCVA	D101714CCVA	ORG 75-01-4	Vinyl chloride	41		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	82%		
D101714CCVA	D101714CCVA	ORG 74-83-9	Bromomethane	62		ug/L	5	0.50	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	124%		
D101714CCVA	D101714CCVA	ORG 75-00-3	Chloroethane	54		ug/L	5	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	108%		
D101714CCVA	D101714CCVA	ORG 75-69-4	Trichlorofluoromethane	97		ug/L	5	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	194%		
D101714CCVA	D101714CCVA	ORG 75-35-4	1,1-Dichloroethene	50		ug/L	1	0.47	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	100%		
D101714CCVA	D101714CCVA	ORG 75-09-2	Methylene chloride	49		ug/L	5	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	98%		
D101714CCVA	D101714CCVA	ORG 67-64-1	Acetone	68		ug/L	10	1.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	136%		
D101714CCVA	D101714CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	94%		
D101714CCVA	D101714CCVA	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	102%		
D101714CCVA	D101714CCVA	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	94%		
D101714CCVA	D101714CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	50		ug/L	1	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	100%		
D101714CCVA	D101714CCVA	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	90%		
D101714CCVA	D101714CCVA	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	94%		
D101714CCVA	D101714CCVA	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	102%		
D101714CCVA	D101714CCVA	ORG 78-93-3	2-Butanone	52		ug/L	1	0.81	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	104%		
D101714CCVA	D101714CCVA	ORG 56-23-5	Carbon tetrachloride	54		ug/L	1	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	108%		
D101714CCVA	D101714CCVA	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	98%		
D101714CCVA	D101714CCVA	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	96%		
D101714CCVA	D101714CCVA	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	96%		
D101714CCVA	D101714CCVA	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	92%		
D101714CCVA	D101714CCVA	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	96%		
D101714CCVA	D101714CCVA	ORG 75-27-4	Bromodichloromethane	49		ug/L	2	0.12	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	98%		
D101714CCVA	D101714CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	106%		
D101714CCVA	D101714CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	92%		
D101714CCVA	D101714CCVA	ORG 108-10-1	4-Methyl-2-pentanone	49		ug/L	5	0.74	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	98%		
D101714CCVA	D101714CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	110%		
D101714CCVA	D101714CCVA	ORG 127-18-4	Tetrachloroethene	42		ug/L	1	0.49	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	84%		
D101714CCVA	D101714CCVA	ORG 79-00-5	1,1,2-Trichloroethane	42		ug/L	1	0.34	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	84%		
D101714CCVA	D101714CCVA	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	102%		
D101714CCVA	D101714CCVA	ORG 106-93-4	1,2-Dibromoethane	48		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	96%		
D101714CCVA	D101714CCVA	ORG 591-78-6	2-Hexanone	65		ug/L	2	0.69	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	130%		
D101714CCVA	D101714CCVA	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	110%		
D101714CCVA	D101714CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	96%		
D101714CCVA	D101714CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	104%		
D101714CCVA	D101714CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	100	110%		
D101714CCVA	D101714CCVA	ORG 95-47-6	o-Xylene	58		ug/L	1	0.13	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	116%		
D101714CCVA	D101714CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	100%		
D101714CCVA	D101714CCVA	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	102%		
D101714CCVA	D101714CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	106%		
D101714CCVA	D101714CCVA	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	110%		
D101714CCVA	D101714CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	43		ug/L	2	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	86%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101714CCVA	D101714CCVA	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	88%		
D101714CCVA	D101714CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	57		ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	114%		
D101714CCVA	D101714CCVA	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	110%		
D101714CCVA	D101714CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	104%		
D101714CCVA	D101714CCVA	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	106%		
D101714CCVA	D101714CCVA	ORG 541-73-1	1,3-Dichlorobenzene	50		ug/L	2	0.22	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	100%		
D101714CCVA	D101714CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	104%		
D101714CCVA	D101714CCVA	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	94%		
D101714CCVA	D101714CCVA	ORG 95-50-1	1,2-Dichlorobenzene	49		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	98%		
D101714CCVA	D101714CCVA	ORG 104-51-8	n-Butylbenzene	57		ug/L	5	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	114%		
D101714CCVA	D101714CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	44		ug/L	5	1.59	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	88%		
D101714CCVA	D101714CCVA	ORG 87-68-3	Hexachlorobutadiene	58		ug/L	5	0.65	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	116%		
D101714CCVA	D101714CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	98%		
D101714CCVA	D101714CCVA	ORG 91-20-3	Naphthalene	40		ug/L	5	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	80%		
D101714CCVA	D101714CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	98%		
D101714CCVA	D101714CCVA	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	100%		
D101714CCVA	D101714CCVA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	98%		
D101714CCVA	D101714CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	98%		
D101714CCVA	D101714CCVA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4987	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101714MBKA	D101714MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 67-64-1	Acetone	12		ug/L	10	1.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101714MBKA	D101714MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989				
D101714MBKA	D101714MBKA	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989	50	100%		
D101714MBKA	D101714MBKA	STD 17060-07-0	1,2-Dichloroethane d4	56		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989	50	112%		
D101714MBKA	D101714MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989	50	104%		
D101714MBKA	D101714MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4989	50	110%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101714ALCS	D101714ALCS	ORG 75-71-8	Dichlorodifluoromethane	40		ug/L	5	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	80%		
D101714ALCS	D101714ALCS	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	82%		
D101714ALCS	D101714ALCS	ORG 75-01-4	Vinyl chloride	37		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	74%		
D101714ALCS	D101714ALCS	ORG 74-83-9	Bromomethane	48		ug/L	5	0.50	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	96%		
D101714ALCS	D101714ALCS	ORG 75-00-3	Chloroethane	51		ug/L	5	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	102%		
D101714ALCS	D101714ALCS	ORG 75-69-4	Trichlorofluoromethane	63		ug/L	5	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	126%		
D101714ALCS	D101714ALCS	ORG 75-35-4	1,1-Dichloroethene	46		ug/L	1	0.47	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	92%		
D101714ALCS	D101714ALCS	ORG 75-09-2	Methylene chloride	47		ug/L	5	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	94%		
D101714ALCS	D101714ALCS	ORG 67-64-1	Acetone	88		ug/L	10	1.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	176%		
D101714ALCS	D101714ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	90%		
D101714ALCS	D101714ALCS	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	102%		
D101714ALCS	D101714ALCS	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	94%		
D101714ALCS	D101714ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	96%		
D101714ALCS	D101714ALCS	ORG 74-97-5	Bromochloromethane	45		ug/L	10	0.41	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	90%		
D101714ALCS	D101714ALCS	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	94%		
D101714ALCS	D101714ALCS	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	100%		
D101714ALCS	D101714ALCS	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	106%		
D101714ALCS	D101714ALCS	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	104%		
D101714ALCS	D101714ALCS	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	96%		
D101714ALCS	D101714ALCS	ORG 107-06-2	1,2-Dichloroethane	49		ug/L	1	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	98%		
D101714ALCS	D101714ALCS	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	100%		
D101714ALCS	D101714ALCS	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	96%		
D101714ALCS	D101714ALCS	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	96%		
D101714ALCS	D101714ALCS	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	100%		
D101714ALCS	D101714ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	106%		
D101714ALCS	D101714ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	92%		
D101714ALCS	D101714ALCS	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	106%		
D101714ALCS	D101714ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	112%		
D101714ALCS	D101714ALCS	ORG 127-18-4	Tetrachloroethene	44		ug/L	1	0.49	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	88%		
D101714ALCS	D101714ALCS	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	88%		
D101714ALCS	D101714ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	102%		
D101714ALCS	D101714ALCS	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	100%		
D101714ALCS	D101714ALCS	ORG 591-78-6	2-Hexanone	78		ug/L	2	0.69	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	156%		
D101714ALCS	D101714ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	108%		
D101714ALCS	D101714ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	96%		
D101714ALCS	D101714ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	102%		
D101714ALCS	D101714ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	100	110%		
D101714ALCS	D101714ALCS	ORG 95-47-6	o-Xylene	56		ug/L	1	0.13	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	112%		
D101714ALCS	D101714ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	100%		
D101714ALCS	D101714ALCS	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	108%		
D101714ALCS	D101714ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	106%		
D101714ALCS	D101714ALCS	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	112%		
D101714ALCS	D101714ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	92%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101714ALCS	D101714ALCS	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	94%		
D101714ALCS	D101714ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	112%		
D101714ALCS	D101714ALCS	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	108%		
D101714ALCS	D101714ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	104%		
D101714ALCS	D101714ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	104%		
D101714ALCS	D101714ALCS	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	102%		
D101714ALCS	D101714ALCS	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	106%		
D101714ALCS	D101714ALCS	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	96%		
D101714ALCS	D101714ALCS	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	102%		
D101714ALCS	D101714ALCS	ORG 104-51-8	n-Butylbenzene	56		ug/L	5	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	112%		
D101714ALCS	D101714ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	57		ug/L	5	1.59	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	114%		
D101714ALCS	D101714ALCS	ORG 87-68-3	Hexachlorobutadiene	57		ug/L	5	0.65	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	114%		
D101714ALCS	D101714ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	51		ug/L	5	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	102%		
D101714ALCS	D101714ALCS	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	94%		
D101714ALCS	D101714ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	54		ug/L	5	0.23	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	108%		
D101714ALCS	D101714ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	98%		
D101714ALCS	D101714ALCS	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	102%		
D101714ALCS	D101714ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	96%		
D101714ALCS	D101714ALCS	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4988	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101714ALCD	D101714ALCD	ORG 75-71-8	Dichlorodifluoromethane	31		ug/L	5	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	62%	25%	
D101714ALCD	D101714ALCD	ORG 74-87-3	Chloromethane	40		ug/L	5	0.43	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	80%	2%	
D101714ALCD	D101714ALCD	ORG 75-01-4	Vinyl chloride	50		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	100%	30%	
D101714ALCD	D101714ALCD	ORG 74-83-9	Bromomethane	42		ug/L	5	0.50	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	84%	13%	
D101714ALCD	D101714ALCD	ORG 75-00-3	Chloroethane	24		ug/L	5	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	48%	72%	
D101714ALCD	D101714ALCD	ORG 75-69-4	Trichlorofluoromethane	39		ug/L	5	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	78%	47%	
D101714ALCD	D101714ALCD	ORG 75-35-4	1,1-Dichloroethene	47		ug/L	1	0.47	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	94%	2%	
D101714ALCD	D101714ALCD	ORG 75-09-2	Methylene chloride	53		ug/L	5	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	106%	12%	
D101714ALCD	D101714ALCD	ORG 67-64-1	Acetone	75		ug/L	10	1.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	150%	16%	
D101714ALCD	D101714ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	92%	2%	
D101714ALCD	D101714ALCD	ORG 1634-04-4	MTBE	39		ug/L	5	0.61	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	78%	27%	
D101714ALCD	D101714ALCD	ORG 75-34-3	1,1-Dichloroethane	49		ug/L	1	0.53	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	98%	4%	
D101714ALCD	D101714ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	48		ug/L	1	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	96%	0%	
D101714ALCD	D101714ALCD	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	96%	6%	
D101714ALCD	D101714ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	92%	2%	
D101714ALCD	D101714ALCD	ORG 71-55-6	1,1,1-Trichloroethane	43		ug/L	1	0.17	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	86%	15%	
D101714ALCD	D101714ALCD	ORG 78-93-3	2-Butanone	60		ug/L	1	0.81	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	120%	12%	
D101714ALCD	D101714ALCD	ORG 56-23-5	Carbon tetrachloride	43		ug/L	1	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	86%	19%	
D101714ALCD	D101714ALCD	ORG 71-43-2	Benzene	56		ug/L	1	0.14	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	112%	15%	
D101714ALCD	D101714ALCD	ORG 107-06-2	1,2-Dichloroethane	49		ug/L	1	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	98%	0%	
D101714ALCD	D101714ALCD	ORG 79-01-6	Trichloroethene	46		ug/L	1	0.36	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	92%	8%	
D101714ALCD	D101714ALCD	ORG 74-95-3	Dibromomethane	54		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	108%	12%	
D101714ALCD	D101714ALCD	ORG 78-87-5	1,2-Dichloropropane	55		ug/L	1	0.18	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	110%	14%	
D101714ALCD	D101714ALCD	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	96%	4%	
D101714ALCD	D101714ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	51		ug/L	1	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	102%	4%	
D101714ALCD	D101714ALCD	ORG 108-88-3	Toluene	51		ug/L	1	0.21	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	102%	10%	
D101714ALCD	D101714ALCD	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	112%	6%	
D101714ALCD	D101714ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	53		ug/L	1	0.31	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	106%	6%	
D101714ALCD	D101714ALCD	ORG 127-18-4	Tetrachloroethene	41		ug/L	1	0.49	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	82%	7%	
D101714ALCD	D101714ALCD	ORG 79-00-5	1,1,2-Trichloroethane	52		ug/L	1	0.34	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	104%	17%	
D101714ALCD	D101714ALCD	ORG 124-48-1	Dibromochloromethane	47		ug/L	5	0.30	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	94%	8%	
D101714ALCD	D101714ALCD	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	98%	2%	
D101714ALCD	D101714ALCD	ORG 591-78-6	2-Hexanone	67		ug/L	2	0.69	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	134%	15%	
D101714ALCD	D101714ALCD	ORG 100-41-4	Ethylbenzene	58		ug/L	1	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	116%	7%	
D101714ALCD	D101714ALCD	ORG 108-90-7	Chlorobenzene	52		ug/L	1	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	104%	8%	
D101714ALCD	D101714ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	100%	2%	
D101714ALCD	D101714ALCD	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	100	120%	9%	
D101714ALCD	D101714ALCD	ORG 95-47-6	o-Xylene	57		ug/L	1	0.13	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	114%	2%	
D101714ALCD	D101714ALCD	ORG 100-42-5	Styrene	55		ug/L	1	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	110%	10%	
D101714ALCD	D101714ALCD	ORG 75-25-2	Bromoform	46		ug/L	2	0.47	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	92%	16%	
D101714ALCD	D101714ALCD	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	108%	2%	
D101714ALCD	D101714ALCD	ORG 103-65-1	n-Propylbenzene	62		ug/L	2	0.27	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	124%	10%	
D101714ALCD	D101714ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	61		ug/L	2	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	122%	28%	

Confidential
D101714AKCF



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101714ALCD	D101714ALCD	ORG 96-18-4	1,2,3-Trichloropropane	59		ug/L	2	0.29	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	118%	23%	
D101714ALCD	D101714ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	56		ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	112%	0%	
D101714ALCD	D101714ALCD	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	108%	0%	
D101714ALCD	D101714ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	54		ug/L	2	0.20	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	108%	4%	
D101714ALCD	D101714ALCD	ORG 135-98-8	sec-Butylbenzene	57		ug/L	2	0.32	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	114%	9%	
D101714ALCD	D101714ALCD	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	106%	4%	
D101714ALCD	D101714ALCD	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	104%	2%	
D101714ALCD	D101714ALCD	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	100%	4%	
D101714ALCD	D101714ALCD	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	106%	4%	
D101714ALCD	D101714ALCD	ORG 104-51-8	n-Butylbenzene	63		ug/L	5	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	126%	12%	
D101714ALCD	D101714ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	45		ug/L	5	1.59	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	90%	24%	
D101714ALCD	D101714ALCD	ORG 87-68-3	Hexachlorobutadiene	40		ug/L	5	0.65	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	80%	35%	
D101714ALCD	D101714ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	43		ug/L	5	0.28	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	86%	17%	
D101714ALCD	D101714ALCD	ORG 91-20-3	Naphthalene	44		ug/L	5	0.56	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	88%	7%	
D101714ALCD	D101714ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	46		ug/L	5	0.23	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	92%	16%	
D101714ALCD	D101714ALCD	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	102%	4%	
D101714ALCD	D101714ALCD	STD 17060-07-0	1,2-Dichloroethane d4	51		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	102%	0%	
D101714ALCD	D101714ALCD	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	98%	2%	
D101714ALCD	D101714ALCD	STD 460-00-4	Bromofluorobenzene	46		ug/L	1	0.10	NA	10/17/2014	10/17/2014	WQ	1	NA	5.0	NA	SW8260B	NALD4992	50	92%	14%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1716MS	T1-039	ORG 75-71-8	Dichlorodifluoromethane	3200		ug/L	500	29.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	64%		
NAL13026-1716MS	T1-039	ORG 74-87-3	Chloromethane	4300		ug/L	500	43.07	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	86%		
NAL13026-1716MS	T1-039	ORG 75-01-4	Vinyl chloride	6200		ug/L	200	31.86	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	124%		
NAL13026-1716MS	T1-039	ORG 74-83-9	Bromomethane	3900		ug/L	500	50.04	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	78%		
NAL13026-1716MS	T1-039	ORG 75-00-3	Chloroethane	2100		ug/L	500	55.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	42%		
NAL13026-1716MS	T1-039	ORG 75-69-4	Trichlorofluoromethane	2600		ug/L	500	19.65	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	52%		
NAL13026-1716MS	T1-039	ORG 75-35-4	1,1-Dichloroethene	4800		ug/L	100	47.11	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	96%		
NAL13026-1716MS	T1-039	ORG 75-09-2	Methylene chloride	5000		ug/L	500	26.46	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	100%		
NAL13026-1716MS	T1-039	ORG 67-64-1	Acetone	91000		ug/L	1000	155.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	140%		84000
NAL13026-1716MS	T1-039	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	92%		
NAL13026-1716MS	T1-039	ORG 1634-04-4	MTBE	3800		ug/L	500	61.18	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	76%		
NAL13026-1716MS	T1-039	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	90%		
NAL13026-1716MS	T1-039	ORG 156-59-2	cis-1,2-Dichloroethene	4600		ug/L	100	32.11	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	92%		
NAL13026-1716MS	T1-039	ORG 74-97-5	Bromochloromethane	4200		ug/L	1000	41.37	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	84%		
NAL13026-1716MS	T1-039	ORG 67-66-3	Chloroform	4400		ug/L	200	15.73	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	88%		
NAL13026-1716MS	T1-039	ORG 71-55-6	1,1,1-Trichloroethane	4200		ug/L	100	16.65	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	84%		
NAL13026-1716MS	T1-039	ORG 78-93-3	2-Butanone	23000		ug/L	100	81.18	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	140%		16000
NAL13026-1716MS	T1-039	ORG 56-23-5	Carbon tetrachloride	3900		ug/L	100	27.64	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	78%		
NAL13026-1716MS	T1-039	ORG 71-43-2	Benzene	5300		ug/L	100	13.53	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	106%		
NAL13026-1716MS	T1-039	ORG 107-06-2	1,2-Dichloroethane	4500		ug/L	100	20.01	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	90%		
NAL13026-1716MS	T1-039	ORG 79-01-6	Trichloroethene	4500		ug/L	100	36.33	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	90%		
NAL13026-1716MS	T1-039	ORG 74-95-3	Dibromomethane	5300		ug/L	200	32.20	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	106%		
NAL13026-1716MS	T1-039	ORG 78-87-5	1,2-Dichloropropane	5500		ug/L	100	18.17	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	110%		
NAL13026-1716MS	T1-039	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	94%		
NAL13026-1716MS	T1-039	ORG 10061-01-5	cis-1,3-Dichloropropene	5100		ug/L	100	25.01	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	102%		
NAL13026-1716MS	T1-039	ORG 108-88-3	Toluene	5100		ug/L	100	20.96	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	102%		
NAL13026-1716MS	T1-039	ORG 108-10-1	4-Methyl-2-pentanone	5600		ug/L	500	74.00	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	106%		280
NAL13026-1716MS	T1-039	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	110%		
NAL13026-1716MS	T1-039	ORG 127-18-4	Tetrachloroethene	3900		ug/L	100	48.56	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	78%		
NAL13026-1716MS	T1-039	ORG 79-00-5	1,1,2-Trichloroethane	5100		ug/L	100	34.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	102%		
NAL13026-1716MS	T1-039	ORG 124-48-1	Dibromochloromethane	4300		ug/L	500	29.90	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	86%		
NAL13026-1716MS	T1-039	ORG 106-93-4	1,2-Dibromoethane	4700		ug/L	200	26.49	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	94%		
NAL13026-1716MS	T1-039	ORG 591-78-6	2-Hexanone	4700		ug/L	200	68.90	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	88%		290
NAL13026-1716MS	T1-039	ORG 100-41-4	Ethylbenzene	5900		ug/L	100	25.38	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	118%		
NAL13026-1716MS	T1-039	ORG 108-90-7	Chlorobenzene	5300		ug/L	100	27.52	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	106%		
NAL13026-1716MS	T1-039	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4800		ug/L	200	19.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	96%		
NAL13026-1716MS	T1-039	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	10000	120%		
NAL13026-1716MS	T1-039	ORG 95-47-6	o-Xylene	5800		ug/L	100	12.90	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	116%		
NAL13026-1716MS	T1-039	ORG 100-42-5	Styrene	5600		ug/L	100	20.23	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	112%		
NAL13026-1716MS	T1-039	ORG 75-25-2	Bromoform	4800		ug/L	200	46.83	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	96%		
NAL13026-1716MS	T1-039	ORG 98-82-8	Isopropylbenzene	5600		ug/L	200	20.48	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	112%		
NAL13026-1716MS	T1-039	ORG 103-65-1	n-Propylbenzene	6500		ug/L	200	27.00	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	130%		
NAL13026-1716MS	T1-039	ORG 79-34-5	1,1,2,2-Tetrachloroethane	6100		ug/L	200	29.16	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	122%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1716MS	T1-039	ORG 96-18-4	1,2,3-Trichloropropane	5600		ug/L	200	29.47	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	112%		
NAL13026-1716MS	T1-039	ORG 108-67-8	1,3,5-Trimethylbenzene	5900		ug/L	200	20.03	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	118%		
NAL13026-1716MS	T1-039	ORG 98-06-6	tert-Butylbenzene	5600		ug/L	200	32.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	112%		
NAL13026-1716MS	T1-039	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	102%		220
NAL13026-1716MS	T1-039	ORG 135-98-8	sec-Butylbenzene	5800		ug/L	200	32.34	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	116%		
NAL13026-1716MS	T1-039	ORG 541-73-1	1,3-Dichlorobenzene	5200		ug/L	200	22.21	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	104%		
NAL13026-1716MS	T1-039	ORG 99-87-6	p-Isopropyltoluene	5500		ug/L	200	25.48	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	103%		360
NAL13026-1716MS	T1-039	ORG 106-46-7	1,4-Dichlorobenzene	5000		ug/L	200	33.03	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	99%		70
NAL13026-1716MS	T1-039	ORG 95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	108%		
NAL13026-1716MS	T1-039	ORG 104-51-8	n-Butylbenzene	6600		ug/L	500	27.81	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	132%		
NAL13026-1716MS	T1-039	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5100		ug/L	500	159.11	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	102%		
NAL13026-1716MS	T1-039	ORG 87-68-3	Hexachlorobutadiene	4500		ug/L	500	65.42	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	90%		
NAL13026-1716MS	T1-039	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	98%		
NAL13026-1716MS	T1-039	ORG 91-20-3	Naphthalene	5900		ug/L	500	56.04	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	111%		340
NAL13026-1716MS	T1-039	ORG 87-61-6	1,2,3-Trichlorobenzene	5500		ug/L	500	23.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	5000	110%		
NAL13026-1716MS	T1-039	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	50	98%		
NAL13026-1716MS	T1-039	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	50	96%		
NAL13026-1716MS	T1-039	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	50	100%		
NAL13026-1716MS	T1-039	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4993	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1716MSD	T1-039	ORG 75-71-8	Dichlorodifluoromethane	3100		ug/L	500	29.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	62%	3%	
NAL13026-1716MSD	T1-039	ORG 74-87-3	Chloromethane	4000		ug/L	500	43.07	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	80%	7%	
NAL13026-1716MSD	T1-039	ORG 75-01-4	Vinyl chloride	5400		ug/L	200	31.86	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	108%	14%	
NAL13026-1716MSD	T1-039	ORG 74-83-9	Bromomethane	4100		ug/L	500	50.04	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	82%	5%	
NAL13026-1716MSD	T1-039	ORG 75-00-3	Chloroethane	1900		ug/L	500	55.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	38%	10%	
NAL13026-1716MSD	T1-039	ORG 75-69-4	Trichlorofluoromethane	4600		ug/L	500	19.65	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	92%	56%	
NAL13026-1716MSD	T1-039	ORG 75-35-4	1,1-Dichloroethene	4500		ug/L	100	47.11	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	90%	6%	
NAL13026-1716MSD	T1-039	ORG 75-09-2	Methylene chloride	5000		ug/L	500	26.46	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	100%	0%	
NAL13026-1716MSD	T1-039	ORG 67-64-1	Acetone	96000		ug/L	1000	155.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	240%	5%	84000
NAL13026-1716MSD	T1-039	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	92%	0%	
NAL13026-1716MSD	T1-039	ORG 1634-04-4	MTBE	3900		ug/L	500	61.18	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	78%	3%	
NAL13026-1716MSD	T1-039	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	90%	0%	
NAL13026-1716MSD	T1-039	ORG 156-59-2	cis-1,2-Dichloroethene	4600		ug/L	100	32.11	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	92%	0%	
NAL13026-1716MSD	T1-039	ORG 74-97-5	Bromochloromethane	4200		ug/L	1000	41.37	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	84%	0%	
NAL13026-1716MSD	T1-039	ORG 67-66-3	Chloroform	4300		ug/L	200	15.73	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	86%	2%	
NAL13026-1716MSD	T1-039	ORG 71-55-6	1,1,1-Trichloroethane	4200		ug/L	100	16.65	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	84%	0%	
NAL13026-1716MSD	T1-039	ORG 78-93-3	2-Butanone	23000		ug/L	100	81.18	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	140%	0%	16000
NAL13026-1716MSD	T1-039	ORG 56-23-5	Carbon tetrachloride	3800		ug/L	100	27.64	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	76%	3%	
NAL13026-1716MSD	T1-039	ORG 71-43-2	Benzene	5300		ug/L	100	13.53	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	106%	0%	
NAL13026-1716MSD	T1-039	ORG 107-06-2	1,2-Dichloroethane	4500		ug/L	100	20.01	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	90%	0%	
NAL13026-1716MSD	T1-039	ORG 79-01-6	Trichloroethene	4500		ug/L	100	36.33	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	90%	0%	
NAL13026-1716MSD	T1-039	ORG 74-95-3	Dibromomethane	5600		ug/L	200	32.20	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	112%	6%	
NAL13026-1716MSD	T1-039	ORG 78-87-5	1,2-Dichloropropane	5400		ug/L	100	18.17	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	108%	2%	
NAL13026-1716MSD	T1-039	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	94%	0%	
NAL13026-1716MSD	T1-039	ORG 10061-01-5	cis-1,3-Dichloropropene	5000		ug/L	100	25.01	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	100%	2%	
NAL13026-1716MSD	T1-039	ORG 108-88-3	Toluene	5100		ug/L	100	20.96	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	102%	0%	
NAL13026-1716MSD	T1-039	ORG 108-10-1	4-Methyl-2-pentanone	5600		ug/L	500	74.00	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	106%	0%	280
NAL13026-1716MSD	T1-039	ORG 10061-02-6	trans-1,3-Dichloropropene	5400		ug/L	100	31.15	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	108%	2%	
NAL13026-1716MSD	T1-039	ORG 127-18-4	Tetrachloroethene	4000		ug/L	100	48.56	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	80%	3%	
NAL13026-1716MSD	T1-039	ORG 79-00-5	1,1,2-Trichloroethane	5000		ug/L	100	34.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	100%	2%	
NAL13026-1716MSD	T1-039	ORG 124-48-1	Dibromochloromethane	4400		ug/L	500	29.90	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	88%	2%	
NAL13026-1716MSD	T1-039	ORG 106-93-4	1,2-Dibromoethane	4600		ug/L	200	26.49	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	92%	2%	
NAL13026-1716MSD	T1-039	ORG 591-78-6	2-Hexanone	4500		ug/L	200	68.90	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	84%	4%	290
NAL13026-1716MSD	T1-039	ORG 100-41-4	Ethylbenzene	5900		ug/L	100	25.38	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	118%	0%	
NAL13026-1716MSD	T1-039	ORG 108-90-7	Chlorobenzene	5400		ug/L	100	27.52	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	108%	2%	
NAL13026-1716MSD	T1-039	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	100%	4%	
NAL13026-1716MSD	T1-039	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	10000	120%	0%	
NAL13026-1716MSD	T1-039	ORG 95-47-6	o-Xylene	5900		ug/L	100	12.90	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	118%	2%	
NAL13026-1716MSD	T1-039	ORG 100-42-5	Styrene	5700		ug/L	100	20.23	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	114%	2%	
NAL13026-1716MSD	T1-039	ORG 75-25-2	Bromoform	4700		ug/L	200	46.83	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	94%	2%	
NAL13026-1716MSD	T1-039	ORG 98-82-8	Isopropylbenzene	5700		ug/L	200	20.48	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	114%	2%	
NAL13026-1716MSD	T1-039	ORG 103-65-1	n-Propylbenzene	6300		ug/L	200	27.00	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	126%	3%	
NAL13026-1716MSD	T1-039	ORG 79-34-5	1,1,2,2-Tetrachloroethane	5900		ug/L	200	29.16	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	118%	3%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1716MSD	T1-039	ORG 96-18-4	1,2,3-Trichloropropane	5500		ug/L	200	29.47	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	110%	2%	
NAL13026-1716MSD	T1-039	ORG 108-67-8	1,3,5-Trimethylbenzene	5800		ug/L	200	20.03	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	116%	2%	
NAL13026-1716MSD	T1-039	ORG 98-06-6	tert-Butylbenzene	5500		ug/L	200	32.61	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	110%	2%	
NAL13026-1716MSD	T1-039	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	102%	0%	220
NAL13026-1716MSD	T1-039	ORG 135-98-8	sec-Butylbenzene	5800		ug/L	200	32.34	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	116%	0%	
NAL13026-1716MSD	T1-039	ORG 541-73-1	1,3-Dichlorobenzene	5100		ug/L	200	22.21	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	102%	2%	
NAL13026-1716MSD	T1-039	ORG 99-87-6	p-Isopropyltoluene	5400		ug/L	200	25.48	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	101%	2%	360
NAL13026-1716MSD	T1-039	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	101%	2%	70
NAL13026-1716MSD	T1-039	ORG 95-50-1	1,2-Dichlorobenzene	5600		ug/L	200	26.38	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	112%	4%	
NAL13026-1716MSD	T1-039	ORG 104-51-8	n-Butylbenzene	6500		ug/L	500	27.81	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	130%	2%	
NAL13026-1716MSD	T1-039	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5600		ug/L	500	159.11	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	112%	9%	
NAL13026-1716MSD	T1-039	ORG 87-68-3	Hexachlorobutadiene	4700		ug/L	500	65.42	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	94%	4%	
NAL13026-1716MSD	T1-039	ORG 120-82-1	1,2,4-Trichlorobenzene	5100		ug/L	500	27.63	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	102%	4%	
NAL13026-1716MSD	T1-039	ORG 91-20-3	Naphthalene	6000		ug/L	500	56.04	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	113%	2%	340
NAL13026-1716MSD	T1-039	ORG 87-61-6	1,2,3-Trichlorobenzene	5400		ug/L	500	23.28	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	5000	108%	2%	
NAL13026-1716MSD	T1-039	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	50	100%	2%	
NAL13026-1716MSD	T1-039	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	50	92%	4%	
NAL13026-1716MSD	T1-039	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	50	100%	0%	
NAL13026-1716MSD	T1-039	STD 460-00-4	Bromofluorobenzene	50		ug/L	1	0.10	10/17/2014	10/17/2014	10/17/2014	WG	100	NA	5.0	NA	SW8260B	NALD4994	50	100%	2%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1717	T1-040	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 67-64-1	Acetone	82000	D	ug/L	10000	1556.07	10/18/2014	10/18/2014	10/18/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5024				
NAL13026-1717	T1-040	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 78-93-3	2-Butanone	15000		ug/L	1000	81.18	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 108-10-1	4-Methyl-2-pentanone	220	J	ug/L	500	74.00	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1717	T1-040	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 108-67-8	1,3,5-Trimethylbenzene	52	J	ug/L	200	20.03	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 95-63-6	1,2,4-Trimethylbenzene	52	J	ug/L	200	20.03	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 99-87-6	p-Isopropyltoluene	280		ug/L	200	25.48	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 106-46-7	1,4-Dichlorobenzene	120	J	ug/L	200	33.03	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 104-51-8	n-Butylbenzene	58	J	ug/L	500	27.81	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 91-20-3	Naphthalene	330	J	ug/L	500	56.04	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023				
NAL13026-1717	T1-040	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023	50	94%		
NAL13026-1717	T1-040	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023	50	98%		
NAL13026-1717	T1-040	STD 2037-26-5	Toluene d8	53		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023	50	106%		
NAL13026-1717	T1-040	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5023	50	108%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101814CCVA	D101814CCVA	ORG 75-71-8	Dichlorodifluoromethane	52		ug/L	5	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	104%		
D101814CCVA	D101814CCVA	ORG 74-87-3	Chloromethane	45		ug/L	5	0.43	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	90%		
D101814CCVA	D101814CCVA	ORG 75-01-4	Vinyl chloride	54		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	108%		
D101814CCVA	D101814CCVA	ORG 74-83-9	Bromomethane	47		ug/L	5	0.50	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	94%		
D101814CCVA	D101814CCVA	ORG 75-00-3	Chloroethane	48		ug/L	5	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	96%		
D101814CCVA	D101814CCVA	ORG 75-69-4	Trichlorofluoromethane	120		ug/L	5	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	240%		
D101814CCVA	D101814CCVA	ORG 75-35-4	1,1-Dichloroethene	51		ug/L	1	0.47	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	102%		
D101814CCVA	D101814CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	90%		
D101814CCVA	D101814CCVA	ORG 67-64-1	Acetone	56		ug/L	10	1.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	112%		
D101814CCVA	D101814CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	94%		
D101814CCVA	D101814CCVA	ORG 1634-04-4	MTBE	48		ug/L	5	0.61	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	96%		
D101814CCVA	D101814CCVA	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	92%		
D101814CCVA	D101814CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	104%		
D101814CCVA	D101814CCVA	ORG 74-97-5	Bromochloromethane	47		ug/L	10	0.41	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	94%		
D101814CCVA	D101814CCVA	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	92%		
D101814CCVA	D101814CCVA	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	98%		
D101814CCVA	D101814CCVA	ORG 78-93-3	2-Butanone	46		ug/L	1	0.81	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	92%		
D101814CCVA	D101814CCVA	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	100%		
D101814CCVA	D101814CCVA	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	102%		
D101814CCVA	D101814CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	90%		
D101814CCVA	D101814CCVA	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	98%		
D101814CCVA	D101814CCVA	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	94%		
D101814CCVA	D101814CCVA	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	102%		
D101814CCVA	D101814CCVA	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	96%		
D101814CCVA	D101814CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	56		ug/L	1	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	112%		
D101814CCVA	D101814CCVA	ORG 108-88-3	Toluene	48		ug/L	1	0.21	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	96%		
D101814CCVA	D101814CCVA	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	108%		
D101814CCVA	D101814CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	114%		
D101814CCVA	D101814CCVA	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	94%		
D101814CCVA	D101814CCVA	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	92%		
D101814CCVA	D101814CCVA	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	102%		
D101814CCVA	D101814CCVA	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	100%		
D101814CCVA	D101814CCVA	ORG 591-78-6	2-Hexanone	43		ug/L	2	0.69	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	86%		
D101814CCVA	D101814CCVA	ORG 100-41-4	Ethylbenzene	58		ug/L	1	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	116%		
D101814CCVA	D101814CCVA	ORG 108-90-7	Chlorobenzene	50		ug/L	1	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	100%		
D101814CCVA	D101814CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	104%		
D101814CCVA	D101814CCVA	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	100	120%		
D101814CCVA	D101814CCVA	ORG 95-47-6	o-Xylene	54		ug/L	1	0.13	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	108%		
D101814CCVA	D101814CCVA	ORG 100-42-5	Styrene	53		ug/L	1	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	106%		
D101814CCVA	D101814CCVA	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	104%		
D101814CCVA	D101814CCVA	ORG 98-82-8	Isopropylbenzene	56		ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	112%		
D101814CCVA	D101814CCVA	ORG 103-65-1	n-Propylbenzene	61		ug/L	2	0.27	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	122%		
D101814CCVA	D101814CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	96%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101814CCVA	D101814CCVA	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	94%		
D101814CCVA	D101814CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	106%		
D101814CCVA	D101814CCVA	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	110%		
D101814CCVA	D101814CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	106%		
D101814CCVA	D101814CCVA	ORG 135-98-8	sec-Butylbenzene	56		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	112%		
D101814CCVA	D101814CCVA	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	108%		
D101814CCVA	D101814CCVA	ORG 99-87-6	p-Isopropyltoluene	54		ug/L	2	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	108%		
D101814CCVA	D101814CCVA	ORG 106-46-7	1,4-Dichlorobenzene	51		ug/L	2	0.33	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	102%		
D101814CCVA	D101814CCVA	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	108%		
D101814CCVA	D101814CCVA	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	108%		
D101814CCVA	D101814CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	50		ug/L	5	1.59	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	100%		
D101814CCVA	D101814CCVA	ORG 87-68-3	Hexachlorobutadiene	52		ug/L	5	0.65	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	104%		
D101814CCVA	D101814CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	98%		
D101814CCVA	D101814CCVA	ORG 91-20-3	Naphthalene	44		ug/L	5	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	88%		
D101814CCVA	D101814CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	98%		
D101814CCVA	D101814CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	98%		
D101814CCVA	D101814CCVA	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	90%		
D101814CCVA	D101814CCVA	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	96%		
D101814CCVA	D101814CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5020	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101814MBKA	D101814MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101814MBKA	D101814MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022				
D101814MBKA	D101814MBKA	STD 1868-53-7	Dibromofluoromethane	46		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022	50	92%		
D101814MBKA	D101814MBKA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022	50	98%		
D101814MBKA	D101814MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022	50	104%		
D101814MBKA	D101814MBKA	STD 460-00-4	Bromofluorobenzene	56		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5022	50	112%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101814ALCS	D101814ALCS	ORG 75-71-8	Dichlorodifluoromethane	53		ug/L	5	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	106%		
D101814ALCS	D101814ALCS	ORG 74-87-3	Chloromethane	46		ug/L	5	0.43	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	92%		
D101814ALCS	D101814ALCS	ORG 75-01-4	Vinyl chloride	54		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	108%		
D101814ALCS	D101814ALCS	ORG 74-83-9	Bromomethane	48		ug/L	5	0.50	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	96%		
D101814ALCS	D101814ALCS	ORG 75-00-3	Chloroethane	46		ug/L	5	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	92%		
D101814ALCS	D101814ALCS	ORG 75-69-4	Trichlorofluoromethane	91		ug/L	5	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	182%		
D101814ALCS	D101814ALCS	ORG 75-35-4	1,1-Dichloroethene	51		ug/L	1	0.47	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	102%		
D101814ALCS	D101814ALCS	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	90%		
D101814ALCS	D101814ALCS	ORG 67-64-1	Acetone	60		ug/L	10	1.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	120%		
D101814ALCS	D101814ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	92%		
D101814ALCS	D101814ALCS	ORG 1634-04-4	MTBE	48		ug/L	5	0.61	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	96%		
D101814ALCS	D101814ALCS	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	92%		
D101814ALCS	D101814ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	104%		
D101814ALCS	D101814ALCS	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	96%		
D101814ALCS	D101814ALCS	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	92%		
D101814ALCS	D101814ALCS	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	96%		
D101814ALCS	D101814ALCS	ORG 78-93-3	2-Butanone	47		ug/L	1	0.81	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	94%		
D101814ALCS	D101814ALCS	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	100%		
D101814ALCS	D101814ALCS	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	100%		
D101814ALCS	D101814ALCS	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	90%		
D101814ALCS	D101814ALCS	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	96%		
D101814ALCS	D101814ALCS	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	96%		
D101814ALCS	D101814ALCS	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	102%		
D101814ALCS	D101814ALCS	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	94%		
D101814ALCS	D101814ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	110%		
D101814ALCS	D101814ALCS	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	94%		
D101814ALCS	D101814ALCS	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	106%		
D101814ALCS	D101814ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	114%		
D101814ALCS	D101814ALCS	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	94%		
D101814ALCS	D101814ALCS	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	90%		
D101814ALCS	D101814ALCS	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	100%		
D101814ALCS	D101814ALCS	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	102%		
D101814ALCS	D101814ALCS	ORG 591-78-6	2-Hexanone	44		ug/L	2	0.69	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	88%		
D101814ALCS	D101814ALCS	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	110%		
D101814ALCS	D101814ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	96%		
D101814ALCS	D101814ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	100%		
D101814ALCS	D101814ALCS	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	100	120%		
D101814ALCS	D101814ALCS	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	104%		
D101814ALCS	D101814ALCS	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	102%		
D101814ALCS	D101814ALCS	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	106%		
D101814ALCS	D101814ALCS	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	108%		
D101814ALCS	D101814ALCS	ORG 103-65-1	n-Propylbenzene	59		ug/L	2	0.27	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	118%		
D101814ALCS	D101814ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101814ALCS	D101814ALCS	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	92%		
D101814ALCS	D101814ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	104%		
D101814ALCS	D101814ALCS	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	106%		
D101814ALCS	D101814ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	104%		
D101814ALCS	D101814ALCS	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	106%		
D101814ALCS	D101814ALCS	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	106%		
D101814ALCS	D101814ALCS	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	104%		
D101814ALCS	D101814ALCS	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	100%		
D101814ALCS	D101814ALCS	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	106%		
D101814ALCS	D101814ALCS	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	104%		
D101814ALCS	D101814ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	106%		
D101814ALCS	D101814ALCS	ORG 87-68-3	Hexachlorobutadiene	51		ug/L	5	0.65	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	102%		
D101814ALCS	D101814ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	50		ug/L	5	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	100%		
D101814ALCS	D101814ALCS	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	94%		
D101814ALCS	D101814ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	100%		
D101814ALCS	D101814ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	98%		
D101814ALCS	D101814ALCS	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	92%		
D101814ALCS	D101814ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	96%		
D101814ALCS	D101814ALCS	STD 460-00-4	Bromofluorobenzene	50		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5021	50	100%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101814ALCD	D101814ALCD	ORG 75-71-8	Dichlorodifluoromethane	50		ug/L	5	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	100%	6%	
D101814ALCD	D101814ALCD	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	88%	4%	
D101814ALCD	D101814ALCD	ORG 75-01-4	Vinyl chloride	50		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	100%	8%	
D101814ALCD	D101814ALCD	ORG 74-83-9	Bromomethane	60		ug/L	5	0.50	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	120%	22%	
D101814ALCD	D101814ALCD	ORG 75-00-3	Chloroethane	51		ug/L	5	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	102%	10%	
D101814ALCD	D101814ALCD	ORG 75-69-4	Trichlorofluoromethane	130		ug/L	5	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	260%	35%	
D101814ALCD	D101814ALCD	ORG 75-35-4	1,1-Dichloroethene	65		ug/L	1	0.47	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	130%	24%	
D101814ALCD	D101814ALCD	ORG 75-09-2	Methylene chloride	53		ug/L	5	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	106%	16%	
D101814ALCD	D101814ALCD	ORG 67-64-1	Acetone	77		ug/L	10	1.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	154%	25%	
D101814ALCD	D101814ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	92%	0%	
D101814ALCD	D101814ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	98%	2%	
D101814ALCD	D101814ALCD	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	94%	2%	
D101814ALCD	D101814ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	104%	0%	
D101814ALCD	D101814ALCD	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	98%	2%	
D101814ALCD	D101814ALCD	ORG 67-66-3	Chloroform	48		ug/L	2	0.16	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	96%	4%	
D101814ALCD	D101814ALCD	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	98%	2%	
D101814ALCD	D101814ALCD	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	106%	12%	
D101814ALCD	D101814ALCD	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	98%	2%	
D101814ALCD	D101814ALCD	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	102%	2%	
D101814ALCD	D101814ALCD	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	96%	6%	
D101814ALCD	D101814ALCD	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	98%	2%	
D101814ALCD	D101814ALCD	ORG 74-95-3	Dibromomethane	50		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	100%	4%	
D101814ALCD	D101814ALCD	ORG 78-87-5	1,2-Dichloropropane	52		ug/L	1	0.18	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	104%	2%	
D101814ALCD	D101814ALCD	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	94%	0%	
D101814ALCD	D101814ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	108%	2%	
D101814ALCD	D101814ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	92%	2%	
D101814ALCD	D101814ALCD	ORG 108-10-1	4-Methyl-2-pentanone	58		ug/L	5	0.74	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	116%	9%	
D101814ALCD	D101814ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	58		ug/L	1	0.31	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	116%	2%	
D101814ALCD	D101814ALCD	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	92%	2%	
D101814ALCD	D101814ALCD	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	94%	4%	
D101814ALCD	D101814ALCD	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	102%	2%	
D101814ALCD	D101814ALCD	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	104%	2%	
D101814ALCD	D101814ALCD	ORG 591-78-6	2-Hexanone	50		ug/L	2	0.69	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	100%	13%	
D101814ALCD	D101814ALCD	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	110%	0%	
D101814ALCD	D101814ALCD	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	96%	0%	
D101814ALCD	D101814ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	102%	2%	
D101814ALCD	D101814ALCD	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	100	120%	0%	
D101814ALCD	D101814ALCD	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	102%	2%	
D101814ALCD	D101814ALCD	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	102%	0%	
D101814ALCD	D101814ALCD	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	104%	2%	
D101814ALCD	D101814ALCD	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	106%	2%	
D101814ALCD	D101814ALCD	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	116%	2%	
D101814ALCD	D101814ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	50		ug/L	2	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	100%	4%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101814ALCD	D101814ALCD	ORG 96-18-4	1,2,3-Trichloropropane	49		ug/L	2	0.29	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	98%	6%	
D101814ALCD	D101814ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	102%	2%	
D101814ALCD	D101814ALCD	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	104%	2%	
D101814ALCD	D101814ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	104%	0%	
D101814ALCD	D101814ALCD	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	106%	0%	
D101814ALCD	D101814ALCD	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	106%	0%	
D101814ALCD	D101814ALCD	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	102%	2%	
D101814ALCD	D101814ALCD	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	100%	0%	
D101814ALCD	D101814ALCD	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	106%	0%	
D101814ALCD	D101814ALCD	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	104%	0%	
D101814ALCD	D101814ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	51		ug/L	5	1.59	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	102%	4%	
D101814ALCD	D101814ALCD	ORG 87-68-3	Hexachlorobutadiene	44		ug/L	5	0.65	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	88%	15%	
D101814ALCD	D101814ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	43		ug/L	5	0.28	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	86%	15%	
D101814ALCD	D101814ALCD	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	96%	2%	
D101814ALCD	D101814ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	48		ug/L	5	0.23	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	96%	4%	
D101814ALCD	D101814ALCD	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	102%	4%	
D101814ALCD	D101814ALCD	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	96%	4%	
D101814ALCD	D101814ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	94%	2%	
D101814ALCD	D101814ALCD	STD 460-00-4	Bromofluorobenzene	50		ug/L	1	0.10	NA	10/18/2014	10/18/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5025	50	100%	0%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1717MS	T1-040	ORG 75-71-8	Dichlorodifluoromethane	5100		ug/L	500	29.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	102%		
NAL13026-1717MS	T1-040	ORG 74-87-3	Chloromethane	4600		ug/L	500	43.07	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	92%		
NAL13026-1717MS	T1-040	ORG 75-01-4	Vinyl chloride	5000		ug/L	200	31.86	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	100%		
NAL13026-1717MS	T1-040	ORG 74-83-9	Bromomethane	5100		ug/L	500	50.04	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	102%		
NAL13026-1717MS	T1-040	ORG 75-00-3	Chloroethane	4900		ug/L	500	55.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	98%		
NAL13026-1717MS	T1-040	ORG 75-69-4	Trichlorofluoromethane	8900		ug/L	500	19.65	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	178%		
NAL13026-1717MS	T1-040	ORG 75-35-4	1,1-Dichloroethene	5600		ug/L	100	47.11	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	112%		
NAL13026-1717MS	T1-040	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	88%		
NAL13026-1717MS	T1-040	ORG 67-64-1	Acetone	100000		ug/L	1000	155.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	360%		82000
NAL13026-1717MS	T1-040	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	94%		
NAL13026-1717MS	T1-040	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	98%		
NAL13026-1717MS	T1-040	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	90%		
NAL13026-1717MS	T1-040	ORG 156-59-2	cis-1,2-Dichloroethene	5300		ug/L	100	32.11	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	106%		
NAL13026-1717MS	T1-040	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	94%		
NAL13026-1717MS	T1-040	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	92%		
NAL13026-1717MS	T1-040	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	98%		
NAL13026-1717MS	T1-040	ORG 78-93-3	2-Butanone	21000		ug/L	100	81.18	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	120%		15000
NAL13026-1717MS	T1-040	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	98%		
NAL13026-1717MS	T1-040	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	100%		
NAL13026-1717MS	T1-040	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	92%		
NAL13026-1717MS	T1-040	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	96%		
NAL13026-1717MS	T1-040	ORG 74-95-3	Dibromomethane	5200		ug/L	200	32.20	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	104%		
NAL13026-1717MS	T1-040	ORG 78-87-5	1,2-Dichloropropane	5300		ug/L	100	18.17	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	106%		
NAL13026-1717MS	T1-040	ORG 75-27-4	Bromodichloromethane	4900		ug/L	200	11.58	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	98%		
NAL13026-1717MS	T1-040	ORG 10061-01-5	cis-1,3-Dichloropropene	5700		ug/L	100	25.01	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	114%		
NAL13026-1717MS	T1-040	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	94%		
NAL13026-1717MS	T1-040	ORG 108-10-1	4-Methyl-2-pentanone	5700		ug/L	500	74.00	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	110%		220
NAL13026-1717MS	T1-040	ORG 10061-02-6	trans-1,3-Dichloropropene	5900		ug/L	100	31.15	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	118%		
NAL13026-1717MS	T1-040	ORG 127-18-4	Tetrachloroethene	5300		ug/L	100	48.56	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	106%		
NAL13026-1717MS	T1-040	ORG 79-00-5	1,1,2-Trichloroethane	4800		ug/L	100	34.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	96%		
NAL13026-1717MS	T1-040	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	100%		
NAL13026-1717MS	T1-040	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	104%		
NAL13026-1717MS	T1-040	ORG 591-78-6	2-Hexanone	3200		ug/L	200	68.90	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	64%		
NAL13026-1717MS	T1-040	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	110%		
NAL13026-1717MS	T1-040	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	96%		
NAL13026-1717MS	T1-040	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	102%		
NAL13026-1717MS	T1-040	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	10000	120%		
NAL13026-1717MS	T1-040	ORG 95-47-6	o-Xylene	5200		ug/L	100	12.90	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	104%		
NAL13026-1717MS	T1-040	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	104%		
NAL13026-1717MS	T1-040	ORG 75-25-2	Bromoform	5400		ug/L	200	46.83	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	108%		
NAL13026-1717MS	T1-040	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	108%		
NAL13026-1717MS	T1-040	ORG 103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	116%		
NAL13026-1717MS	T1-040	ORG 79-34-5	1,1,2,2-Tetrachloroethane	5000		ug/L	200	29.16	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	100%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1717MS	T1-040	ORG 96-18-4	1,2,3-Trichloropropane	4900		ug/L	200	29.47	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	98%		
NAL13026-1717MS	T1-040	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	101%		52
NAL13026-1717MS	T1-040	ORG 98-06-6	tert-Butylbenzene	5000		ug/L	200	32.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	100%		
NAL13026-1717MS	T1-040	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	103%		52
NAL13026-1717MS	T1-040	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	106%		
NAL13026-1717MS	T1-040	ORG 541-73-1	1,3-Dichlorobenzene	5400		ug/L	200	22.21	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	108%		
NAL13026-1717MS	T1-040	ORG 99-87-6	p-Isopropyltoluene	5400		ug/L	200	25.48	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	102%		280
NAL13026-1717MS	T1-040	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	100%		120
NAL13026-1717MS	T1-040	ORG 95-50-1	1,2-Dichlorobenzene	5600		ug/L	200	26.38	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	112%		
NAL13026-1717MS	T1-040	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	107%		58
NAL13026-1717MS	T1-040	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6400		ug/L	500	159.11	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	128%		
NAL13026-1717MS	T1-040	ORG 87-68-3	Hexachlorobutadiene	4700		ug/L	500	65.42	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	94%		
NAL13026-1717MS	T1-040	ORG 120-82-1	1,2,4-Trichlorobenzene	4800		ug/L	500	27.63	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	96%		
NAL13026-1717MS	T1-040	ORG 91-20-3	Naphthalene	6300		ug/L	500	56.04	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	119%		330
NAL13026-1717MS	T1-040	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	5000	104%		
NAL13026-1717MS	T1-040	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	50	98%		
NAL13026-1717MS	T1-040	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	50	92%		
NAL13026-1717MS	T1-040	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	50	96%		
NAL13026-1717MS	T1-040	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5026	50	104%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1717MSD	T1-040	ORG 75-71-8	Dichlorodifluoromethane	4900		ug/L	500	29.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	98%	4%	
NAL13026-1717MSD	T1-040	ORG 74-87-3	Chloromethane	4500		ug/L	500	43.07	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	90%	2%	
NAL13026-1717MSD	T1-040	ORG 75-01-4	Vinyl chloride	5000		ug/L	200	31.86	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	100%	0%	
NAL13026-1717MSD	T1-040	ORG 74-83-9	Bromomethane	3900		ug/L	500	50.04	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	78%	27%	
NAL13026-1717MSD	T1-040	ORG 75-00-3	Chloroethane	4200		ug/L	500	55.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	84%	15%	
NAL13026-1717MSD	T1-040	ORG 75-69-4	Trichlorofluoromethane	7200		ug/L	500	19.65	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	144%	21%	
NAL13026-1717MSD	T1-040	ORG 75-35-4	1,1-Dichloroethene	5200		ug/L	100	47.11	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	104%	7%	
NAL13026-1717MSD	T1-040	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	88%	0%	
NAL13026-1717MSD	T1-040	ORG 67-64-1	Acetone	98000		ug/L	1000	155.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	320%	2%	82000
NAL13026-1717MSD	T1-040	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	94%	0%	
NAL13026-1717MSD	T1-040	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	100%	2%	
NAL13026-1717MSD	T1-040	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	90%	0%	
NAL13026-1717MSD	T1-040	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	108%	2%	
NAL13026-1717MSD	T1-040	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	94%	0%	
NAL13026-1717MSD	T1-040	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	92%	0%	
NAL13026-1717MSD	T1-040	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	98%	0%	
NAL13026-1717MSD	T1-040	ORG 78-93-3	2-Butanone	20000		ug/L	100	81.18	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	100%	5%	15000
NAL13026-1717MSD	T1-040	ORG 56-23-5	Carbon tetrachloride	5000		ug/L	100	27.64	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	100%	2%	
NAL13026-1717MSD	T1-040	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	100%	0%	
NAL13026-1717MSD	T1-040	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	92%	0%	
NAL13026-1717MSD	T1-040	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	96%	0%	
NAL13026-1717MSD	T1-040	ORG 74-95-3	Dibromomethane	5100		ug/L	200	32.20	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	102%	2%	
NAL13026-1717MSD	T1-040	ORG 78-87-5	1,2-Dichloropropane	5200		ug/L	100	18.17	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	104%	2%	
NAL13026-1717MSD	T1-040	ORG 75-27-4	Bromodichloromethane	4800		ug/L	200	11.58	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	96%	2%	
NAL13026-1717MSD	T1-040	ORG 10061-01-5	cis-1,3-Dichloropropene	5600		ug/L	100	25.01	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	112%	2%	
NAL13026-1717MSD	T1-040	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	94%	0%	
NAL13026-1717MSD	T1-040	ORG 108-10-1	4-Methyl-2-pentanone	5500		ug/L	500	74.00	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	106%	4%	220
NAL13026-1717MSD	T1-040	ORG 10061-02-6	trans-1,3-Dichloropropene	5700		ug/L	100	31.15	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	114%	3%	
NAL13026-1717MSD	T1-040	ORG 127-18-4	Tetrachloroethene	5500		ug/L	100	48.56	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	110%	4%	
NAL13026-1717MSD	T1-040	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	92%	4%	
NAL13026-1717MSD	T1-040	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	100%	0%	
NAL13026-1717MSD	T1-040	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	104%	0%	
NAL13026-1717MSD	T1-040	ORG 591-78-6	2-Hexanone	3100		ug/L	200	68.90	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	62%	3%	
NAL13026-1717MSD	T1-040	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	110%	0%	
NAL13026-1717MSD	T1-040	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	96%	0%	
NAL13026-1717MSD	T1-040	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	102%	0%	
NAL13026-1717MSD	T1-040	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	10000	120%	0%	
NAL13026-1717MSD	T1-040	ORG 95-47-6	o-Xylene	5200		ug/L	100	12.90	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	104%	0%	
NAL13026-1717MSD	T1-040	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	104%	0%	
NAL13026-1717MSD	T1-040	ORG 75-25-2	Bromoform	5300		ug/L	200	46.83	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	106%	2%	
NAL13026-1717MSD	T1-040	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	108%	0%	
NAL13026-1717MSD	T1-040	ORG 103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	116%	0%	
NAL13026-1717MSD	T1-040	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	96%	4%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1717MSD	T1-040	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	96%	2%	
NAL13026-1717MSD	T1-040	ORG 108-67-8	1,3,5-Trimethylbenzene	5200		ug/L	200	20.03	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	103%	2%	52
NAL13026-1717MSD	T1-040	ORG 98-06-6	tert-Butylbenzene	5100		ug/L	200	32.61	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	102%	2%	
NAL13026-1717MSD	T1-040	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	103%	0%	52
NAL13026-1717MSD	T1-040	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	108%	2%	
NAL13026-1717MSD	T1-040	ORG 541-73-1	1,3-Dichlorobenzene	5400		ug/L	200	22.21	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	108%	0%	
NAL13026-1717MSD	T1-040	ORG 99-87-6	p-Isopropyltoluene	5400		ug/L	200	25.48	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	102%	0%	280
NAL13026-1717MSD	T1-040	ORG 106-46-7	1,4-Dichlorobenzene	5000		ug/L	200	33.03	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	98%	2%	120
NAL13026-1717MSD	T1-040	ORG 95-50-1	1,2-Dichlorobenzene	5500		ug/L	200	26.38	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	110%	2%	
NAL13026-1717MSD	T1-040	ORG 104-51-8	n-Butylbenzene	5300		ug/L	500	27.81	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	105%	2%	58
NAL13026-1717MSD	T1-040	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6100		ug/L	500	159.11	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	122%	5%	
NAL13026-1717MSD	T1-040	ORG 87-68-3	Hexachlorobutadiene	4700		ug/L	500	65.42	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	94%	0%	
NAL13026-1717MSD	T1-040	ORG 120-82-1	1,2,4-Trichlorobenzene	4800		ug/L	500	27.63	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	96%	0%	
NAL13026-1717MSD	T1-040	ORG 91-20-3	Naphthalene	6200		ug/L	500	56.04	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	117%	2%	330
NAL13026-1717MSD	T1-040	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	5000	104%	0%	
NAL13026-1717MSD	T1-040	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	50	98%	0%	
NAL13026-1717MSD	T1-040	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	50	90%	2%	
NAL13026-1717MSD	T1-040	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	50	96%	0%	
NAL13026-1717MSD	T1-040	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/18/2014	10/18/2014	10/18/2014	WG	100	NA	5.0	NA	SW8260B	NALD5027	50	104%	0%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1718	T1-041	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 67-64-1	Acetone	94000	D	ug/L	10000	1556.07	10/19/2014	10/19/2014	10/19/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5032				
NAL13026-1718	T1-041	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 78-93-3	2-Butanone	14000		ug/L	1000	81.18	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 108-10-1	4-Methyl-2-pentanone	200	J	ug/L	500	74.00	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 591-78-6	2-Hexanone	140	J	ug/L	500	68.90	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1718	T1-041	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 95-63-6	1,2,4-Trimethylbenzene	55	J	ug/L	200	20.03	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 99-87-6	p-Isopropyltoluene	320		ug/L	200	25.48	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 106-46-7	1,4-Dichlorobenzene	120		ug/L	200	33.03	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 104-51-8	n-Butylbenzene	60	J	ug/L	500	27.81	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 91-20-3	Naphthalene	300	J	ug/L	500	56.04	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031				
NAL13026-1718	T1-041	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031	50	94%		
NAL13026-1718	T1-041	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031	50	96%		
NAL13026-1718	T1-041	STD 2037-26-5	Toluene d8	53		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031	50	106%		
NAL13026-1718	T1-041	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5031	50	106%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101914CCVA	D101914CCVA	ORG 75-71-8	Dichlorodifluoromethane	54		ug/L	5	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	108%		
D101914CCVA	D101914CCVA	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	84%		
D101914CCVA	D101914CCVA	ORG 75-01-4	Vinyl chloride	56		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	112%		
D101914CCVA	D101914CCVA	ORG 74-83-9	Bromomethane	70		ug/L	5	0.50	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	140%		
D101914CCVA	D101914CCVA	ORG 75-00-3	Chloroethane	52		ug/L	5	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	104%		
D101914CCVA	D101914CCVA	ORG 75-69-4	Trichlorofluoromethane	480		ug/L	5	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	960%		
D101914CCVA	D101914CCVA	ORG 75-35-4	1,1-Dichloroethene	55		ug/L	1	0.47	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	110%		
D101914CCVA	D101914CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	90%		
D101914CCVA	D101914CCVA	ORG 67-64-1	Acetone	60		ug/L	10	1.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	120%		
D101914CCVA	D101914CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	48		ug/L	1	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	96%		
D101914CCVA	D101914CCVA	ORG 1634-04-4	MTBE	48		ug/L	5	0.61	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	96%		
D101914CCVA	D101914CCVA	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	94%		
D101914CCVA	D101914CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	106%		
D101914CCVA	D101914CCVA	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	96%		
D101914CCVA	D101914CCVA	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	94%		
D101914CCVA	D101914CCVA	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	98%		
D101914CCVA	D101914CCVA	ORG 78-93-3	2-Butanone	46		ug/L	1	0.81	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	92%		
D101914CCVA	D101914CCVA	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	102%		
D101914CCVA	D101914CCVA	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	102%		
D101914CCVA	D101914CCVA	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	88%		
D101914CCVA	D101914CCVA	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	100%		
D101914CCVA	D101914CCVA	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	96%		
D101914CCVA	D101914CCVA	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	102%		
D101914CCVA	D101914CCVA	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	96%		
D101914CCVA	D101914CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	57		ug/L	1	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	114%		
D101914CCVA	D101914CCVA	ORG 108-88-3	Toluene	49		ug/L	1	0.21	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	98%		
D101914CCVA	D101914CCVA	ORG 108-10-1	4-Methyl-2-pentanone	50		ug/L	5	0.74	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	100%		
D101914CCVA	D101914CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	58		ug/L	1	0.31	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	116%		
D101914CCVA	D101914CCVA	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	94%		
D101914CCVA	D101914CCVA	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	92%		
D101914CCVA	D101914CCVA	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	102%		
D101914CCVA	D101914CCVA	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	100%		
D101914CCVA	D101914CCVA	ORG 591-78-6	2-Hexanone	43		ug/L	2	0.69	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	86%		
D101914CCVA	D101914CCVA	ORG 100-41-4	Ethylbenzene	59		ug/L	1	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	118%		
D101914CCVA	D101914CCVA	ORG 108-90-7	Chlorobenzene	51		ug/L	1	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	102%		
D101914CCVA	D101914CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	55		ug/L	2	0.19	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	110%		
D101914CCVA	D101914CCVA	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	100	120%		
D101914CCVA	D101914CCVA	ORG 95-47-6	o-Xylene	54		ug/L	1	0.13	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	108%		
D101914CCVA	D101914CCVA	ORG 100-42-5	Styrene	54		ug/L	1	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	108%		
D101914CCVA	D101914CCVA	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	106%		
D101914CCVA	D101914CCVA	ORG 98-82-8	Isopropylbenzene	56		ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	112%		
D101914CCVA	D101914CCVA	ORG 103-65-1	n-Propylbenzene	61		ug/L	2	0.27	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	122%		
D101914CCVA	D101914CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	90%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101914CCVA	D101914CCVA	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	88%		
D101914CCVA	D101914CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	106%		
D101914CCVA	D101914CCVA	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	110%		
D101914CCVA	D101914CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	106%		
D101914CCVA	D101914CCVA	ORG 135-98-8	sec-Butylbenzene	56		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	112%		
D101914CCVA	D101914CCVA	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	110%		
D101914CCVA	D101914CCVA	ORG 99-87-6	p-Isopropyltoluene	55		ug/L	2	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	110%		
D101914CCVA	D101914CCVA	ORG 106-46-7	1,4-Dichlorobenzene	51		ug/L	2	0.33	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	102%		
D101914CCVA	D101914CCVA	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	106%		
D101914CCVA	D101914CCVA	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	110%		
D101914CCVA	D101914CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	48		ug/L	5	1.59	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	96%		
D101914CCVA	D101914CCVA	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	92%		
D101914CCVA	D101914CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	42		ug/L	5	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	84%		
D101914CCVA	D101914CCVA	ORG 91-20-3	Naphthalene	42		ug/L	5	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	84%		
D101914CCVA	D101914CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	45		ug/L	5	0.23	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	90%		
D101914CCVA	D101914CCVA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	96%		
D101914CCVA	D101914CCVA	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	88%		
D101914CCVA	D101914CCVA	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	98%		
D101914CCVA	D101914CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5029	50	102%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101914MBKA	D101914MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101914MBKA	D101914MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030				
D101914MBKA	D101914MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030	50	94%		
D101914MBKA	D101914MBKA	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030	50	100%		
D101914MBKA	D101914MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030	50	104%		
D101914MBKA	D101914MBKA	STD 460-00-4	Bromofluorobenzene	56		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5030	50	112%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101914ALCS	D101914ALCS	ORG 75-71-8	Dichlorodifluoromethane	59		ug/L	5	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	118%		
D101914ALCS	D101914ALCS	ORG 74-87-3	Chloromethane	49		ug/L	5	0.43	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	98%		
D101914ALCS	D101914ALCS	ORG 75-01-4	Vinyl chloride	58		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	116%		
D101914ALCS	D101914ALCS	ORG 74-83-9	Bromomethane	77		ug/L	5	0.50	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	154%		
D101914ALCS	D101914ALCS	ORG 75-00-3	Chloroethane	58		ug/L	5	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	116%		
D101914ALCS	D101914ALCS	ORG 75-69-4	Trichlorofluoromethane	360		ug/L	5	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	720%		
D101914ALCS	D101914ALCS	ORG 75-35-4	1,1-Dichloroethene	70		ug/L	1	0.47	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	140%		
D101914ALCS	D101914ALCS	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	92%		
D101914ALCS	D101914ALCS	ORG 67-64-1	Acetone	72		ug/L	10	1.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	144%		
D101914ALCS	D101914ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	55		ug/L	1	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	110%		
D101914ALCS	D101914ALCS	ORG 1634-04-4	MTBE	61		ug/L	5	0.61	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	122%		
D101914ALCS	D101914ALCS	ORG 75-34-3	1,1-Dichloroethane	50		ug/L	1	0.53	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	100%		
D101914ALCS	D101914ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	104%		
D101914ALCS	D101914ALCS	ORG 74-97-5	Bromochloromethane	52		ug/L	10	0.41	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	104%		
D101914ALCS	D101914ALCS	ORG 67-66-3	Chloroform	50		ug/L	2	0.16	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	100%		
D101914ALCS	D101914ALCS	ORG 71-55-6	1,1,1-Trichloroethane	52		ug/L	1	0.17	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	104%		
D101914ALCS	D101914ALCS	ORG 78-93-3	2-Butanone	63		ug/L	1	0.81	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	126%		
D101914ALCS	D101914ALCS	ORG 56-23-5	Carbon tetrachloride	53		ug/L	1	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	106%		
D101914ALCS	D101914ALCS	ORG 71-43-2	Benzene	53		ug/L	1	0.14	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	106%		
D101914ALCS	D101914ALCS	ORG 107-06-2	1,2-Dichloroethane	50		ug/L	1	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	100%		
D101914ALCS	D101914ALCS	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	100%		
D101914ALCS	D101914ALCS	ORG 74-95-3	Dibromomethane	53		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	106%		
D101914ALCS	D101914ALCS	ORG 78-87-5	1,2-Dichloropropane	53		ug/L	1	0.18	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	106%		
D101914ALCS	D101914ALCS	ORG 75-27-4	Bromodichloromethane	49		ug/L	2	0.12	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	98%		
D101914ALCS	D101914ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	110%		
D101914ALCS	D101914ALCS	ORG 108-88-3	Toluene	49		ug/L	1	0.21	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	98%		
D101914ALCS	D101914ALCS	ORG 108-10-1	4-Methyl-2-pentanone	57		ug/L	5	0.74	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	114%		
D101914ALCS	D101914ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	59		ug/L	1	0.31	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	118%		
D101914ALCS	D101914ALCS	ORG 127-18-4	Tetrachloroethene	44		ug/L	1	0.49	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	88%		
D101914ALCS	D101914ALCS	ORG 79-00-5	1,1,2-Trichloroethane	50		ug/L	1	0.34	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	100%		
D101914ALCS	D101914ALCS	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	104%		
D101914ALCS	D101914ALCS	ORG 106-93-4	1,2-Dibromoethane	53		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	106%		
D101914ALCS	D101914ALCS	ORG 591-78-6	2-Hexanone	47		ug/L	2	0.69	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	94%		
D101914ALCS	D101914ALCS	ORG 100-41-4	Ethylbenzene	57		ug/L	1	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	114%		
D101914ALCS	D101914ALCS	ORG 108-90-7	Chlorobenzene	50		ug/L	1	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	100%		
D101914ALCS	D101914ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	53		ug/L	2	0.19	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	106%		
D101914ALCS	D101914ALCS	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	100	120%		
D101914ALCS	D101914ALCS	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	104%		
D101914ALCS	D101914ALCS	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	104%		
D101914ALCS	D101914ALCS	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	106%		
D101914ALCS	D101914ALCS	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	108%		
D101914ALCS	D101914ALCS	ORG 103-65-1	n-Propylbenzene	60		ug/L	2	0.27	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	120%		
D101914ALCS	D101914ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	52		ug/L	2	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101914ALCS	D101914ALCS	ORG 96-18-4	1,2,3-Trichloropropane	52		ug/L	2	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	104%		
D101914ALCS	D101914ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	54		ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	108%		
D101914ALCS	D101914ALCS	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	108%		
D101914ALCS	D101914ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	54		ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	108%		
D101914ALCS	D101914ALCS	ORG 135-98-8	sec-Butylbenzene	56		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	112%		
D101914ALCS	D101914ALCS	ORG 541-73-1	1,3-Dichlorobenzene	56		ug/L	2	0.22	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	112%		
D101914ALCS	D101914ALCS	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	106%		
D101914ALCS	D101914ALCS	ORG 106-46-7	1,4-Dichlorobenzene	51		ug/L	2	0.33	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	102%		
D101914ALCS	D101914ALCS	ORG 95-50-1	1,2-Dichlorobenzene	55		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	110%		
D101914ALCS	D101914ALCS	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	110%		
D101914ALCS	D101914ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	56		ug/L	5	1.59	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	112%		
D101914ALCS	D101914ALCS	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	92%		
D101914ALCS	D101914ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	43		ug/L	5	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	86%		
D101914ALCS	D101914ALCS	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	96%		
D101914ALCS	D101914ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	102%		
D101914ALCS	D101914ALCS	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	100%		
D101914ALCS	D101914ALCS	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	98%		
D101914ALCS	D101914ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	94%		
D101914ALCS	D101914ALCS	STD 460-00-4	Bromofluorobenzene	50		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5033	50	100%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101914ALCD	D101914ALCD	ORG 75-71-8	Dichlorodifluoromethane	53		ug/L	5	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	106%	11%	
D101914ALCD	D101914ALCD	ORG 74-87-3	Chloromethane	48		ug/L	5	0.43	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	96%	2%	
D101914ALCD	D101914ALCD	ORG 75-01-4	Vinyl chloride	53		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	106%	9%	
D101914ALCD	D101914ALCD	ORG 74-83-9	Bromomethane	45		ug/L	5	0.50	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	90%	52%	
D101914ALCD	D101914ALCD	ORG 75-00-3	Chloroethane	50		ug/L	5	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	100%	15%	
D101914ALCD	D101914ALCD	ORG 75-69-4	Trichlorofluoromethane	86		ug/L	5	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	172%	123%	
D101914ALCD	D101914ALCD	ORG 75-35-4	1,1-Dichloroethene	53		ug/L	1	0.47	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	106%	28%	
D101914ALCD	D101914ALCD	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	92%	0%	
D101914ALCD	D101914ALCD	ORG 67-64-1	Acetone	75		ug/L	10	1.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	150%	4%	
D101914ALCD	D101914ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	94%	16%	
D101914ALCD	D101914ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	98%	22%	
D101914ALCD	D101914ALCD	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	94%	6%	
D101914ALCD	D101914ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	104%	0%	
D101914ALCD	D101914ALCD	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	96%	8%	
D101914ALCD	D101914ALCD	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	94%	6%	
D101914ALCD	D101914ALCD	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	98%	6%	
D101914ALCD	D101914ALCD	ORG 78-93-3	2-Butanone	49		ug/L	1	0.81	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	98%	25%	
D101914ALCD	D101914ALCD	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	100%	6%	
D101914ALCD	D101914ALCD	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	102%	4%	
D101914ALCD	D101914ALCD	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	94%	6%	
D101914ALCD	D101914ALCD	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	98%	2%	
D101914ALCD	D101914ALCD	ORG 74-95-3	Dibromomethane	50		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	100%	6%	
D101914ALCD	D101914ALCD	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	102%	4%	
D101914ALCD	D101914ALCD	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	94%	4%	
D101914ALCD	D101914ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	56		ug/L	1	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	112%	2%	
D101914ALCD	D101914ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	94%	4%	
D101914ALCD	D101914ALCD	ORG 108-10-1	4-Methyl-2-pentanone	59		ug/L	5	0.74	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	118%	3%	
D101914ALCD	D101914ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	114%	3%	
D101914ALCD	D101914ALCD	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	96%	9%	
D101914ALCD	D101914ALCD	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	94%	6%	
D101914ALCD	D101914ALCD	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	102%	2%	
D101914ALCD	D101914ALCD	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	104%	2%	
D101914ALCD	D101914ALCD	ORG 591-78-6	2-Hexanone	51		ug/L	2	0.69	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	102%	8%	
D101914ALCD	D101914ALCD	ORG 100-41-4	Ethylbenzene	56		ug/L	1	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	112%	2%	
D101914ALCD	D101914ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	98%	2%	
D101914ALCD	D101914ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	102%	4%	
D101914ALCD	D101914ALCD	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	100	120%	0%	
D101914ALCD	D101914ALCD	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	104%	0%	
D101914ALCD	D101914ALCD	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	104%	0%	
D101914ALCD	D101914ALCD	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	106%	0%	
D101914ALCD	D101914ALCD	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	108%	0%	
D101914ALCD	D101914ALCD	ORG 103-65-1	n-Propylbenzene	59		ug/L	2	0.27	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	118%	2%	
D101914ALCD	D101914ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	50		ug/L	2	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	100%	4%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D101914ALCD	D101914ALCD	ORG 96-18-4	1,2,3-Trichloropropane	49		ug/L	2	0.29	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	98%	6%	
D101914ALCD	D101914ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	104%	4%	
D101914ALCD	D101914ALCD	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	106%	2%	
D101914ALCD	D101914ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	104%	4%	
D101914ALCD	D101914ALCD	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	106%	6%	
D101914ALCD	D101914ALCD	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	108%	4%	
D101914ALCD	D101914ALCD	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	104%	2%	
D101914ALCD	D101914ALCD	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	100%	2%	
D101914ALCD	D101914ALCD	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	106%	4%	
D101914ALCD	D101914ALCD	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	106%	4%	
D101914ALCD	D101914ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	54		ug/L	5	1.59	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	108%	4%	
D101914ALCD	D101914ALCD	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	92%	0%	
D101914ALCD	D101914ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	43		ug/L	5	0.28	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	86%	0%	
D101914ALCD	D101914ALCD	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	96%	0%	
D101914ALCD	D101914ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	98%	4%	
D101914ALCD	D101914ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	98%	2%	
D101914ALCD	D101914ALCD	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	92%	6%	
D101914ALCD	D101914ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	96%	2%	
D101914ALCD	D101914ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/19/2014	10/19/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5034	50	102%	2%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1718MS	T1-041	ORG 75-71-8	Dichlorodifluoromethane	4900		ug/L	500	29.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	98%		
NAL13026-1718MS	T1-041	ORG 74-87-3	Chloromethane	4500		ug/L	500	43.07	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	90%		
NAL13026-1718MS	T1-041	ORG 75-01-4	Vinyl chloride	5000		ug/L	200	31.86	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	100%		
NAL13026-1718MS	T1-041	ORG 74-83-9	Bromomethane	4100		ug/L	500	50.04	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	82%		
NAL13026-1718MS	T1-041	ORG 75-00-3	Chloroethane	4300		ug/L	500	55.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	86%		
NAL13026-1718MS	T1-041	ORG 75-69-4	Trichlorofluoromethane	7300		ug/L	500	19.65	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	146%		
NAL13026-1718MS	T1-041	ORG 75-35-4	1,1-Dichloroethene	4400		ug/L	100	47.11	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	88%		
NAL13026-1718MS	T1-041	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	88%		
NAL13026-1718MS	T1-041	ORG 67-64-1	Acetone	96000		ug/L	1000	155.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	40%		94000
NAL13026-1718MS	T1-041	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	92%		
NAL13026-1718MS	T1-041	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	98%		
NAL13026-1718MS	T1-041	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	90%		
NAL13026-1718MS	T1-041	ORG 156-59-2	cis-1,2-Dichloroethene	5200		ug/L	100	32.11	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	104%		
NAL13026-1718MS	T1-041	ORG 74-97-5	Bromochloromethane	4600		ug/L	1000	41.37	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	92%		
NAL13026-1718MS	T1-041	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	90%		
NAL13026-1718MS	T1-041	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	96%		
NAL13026-1718MS	T1-041	ORG 78-93-3	2-Butanone	21000		ug/L	100	81.18	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	140%		14000
NAL13026-1718MS	T1-041	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	98%		
NAL13026-1718MS	T1-041	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	98%		
NAL13026-1718MS	T1-041	ORG 107-06-2	1,2-Dichloroethane	4500		ug/L	100	20.01	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	90%		
NAL13026-1718MS	T1-041	ORG 79-01-6	Trichloroethene	4700		ug/L	100	36.33	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	94%		
NAL13026-1718MS	T1-041	ORG 74-95-3	Dibromomethane	5100		ug/L	200	32.20	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	102%		
NAL13026-1718MS	T1-041	ORG 78-87-5	1,2-Dichloropropane	5200		ug/L	100	18.17	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	104%		
NAL13026-1718MS	T1-041	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	94%		
NAL13026-1718MS	T1-041	ORG 10061-01-5	cis-1,3-Dichloropropene	5500		ug/L	100	25.01	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	110%		
NAL13026-1718MS	T1-041	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	94%		
NAL13026-1718MS	T1-041	ORG 108-10-1	4-Methyl-2-pentanone	5700		ug/L	500	74.00	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	110%		200
NAL13026-1718MS	T1-041	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	112%		
NAL13026-1718MS	T1-041	ORG 127-18-4	Tetrachloroethene	4900		ug/L	100	48.56	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	98%		
NAL13026-1718MS	T1-041	ORG 79-00-5	1,1,2-Trichloroethane	4700		ug/L	100	34.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	94%		
NAL13026-1718MS	T1-041	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	102%		
NAL13026-1718MS	T1-041	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	104%		
NAL13026-1718MS	T1-041	ORG 591-78-6	2-Hexanone	3600		ug/L	200	68.90	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	69%		140
NAL13026-1718MS	T1-041	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	108%		
NAL13026-1718MS	T1-041	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	94%		
NAL13026-1718MS	T1-041	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	100%		
NAL13026-1718MS	T1-041	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	10000	110%		
NAL13026-1718MS	T1-041	ORG 95-47-6	o-Xylene	5100		ug/L	100	12.90	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	102%		
NAL13026-1718MS	T1-041	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	102%		
NAL13026-1718MS	T1-041	ORG 75-25-2	Bromoform	5200		ug/L	200	46.83	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	104%		
NAL13026-1718MS	T1-041	ORG 98-82-8	Isopropylbenzene	5300		ug/L	200	20.48	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	106%		
NAL13026-1718MS	T1-041	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	114%		
NAL13026-1718MS	T1-041	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4900		ug/L	200	29.16	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	98%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1718MS	T1-041	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	94%		
NAL13026-1718MS	T1-041	ORG 108-67-8	1,3,5-Trimethylbenzene	5000		ug/L	200	20.03	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	100%		
NAL13026-1718MS	T1-041	ORG 98-06-6	tert-Butylbenzene	5100		ug/L	200	32.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	102%		
NAL13026-1718MS	T1-041	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	103%		55
NAL13026-1718MS	T1-041	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	104%		
NAL13026-1718MS	T1-041	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	106%		
NAL13026-1718MS	T1-041	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	100%		320
NAL13026-1718MS	T1-041	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	96%		120
NAL13026-1718MS	T1-041	ORG 95-50-1	1,2-Dichlorobenzene	5500		ug/L	200	26.38	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	110%		
NAL13026-1718MS	T1-041	ORG 104-51-8	n-Butylbenzene	5200		ug/L	500	27.81	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	103%		60
NAL13026-1718MS	T1-041	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6000		ug/L	500	159.11	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	120%		
NAL13026-1718MS	T1-041	ORG 87-68-3	Hexachlorobutadiene	4600		ug/L	500	65.42	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	92%		
NAL13026-1718MS	T1-041	ORG 120-82-1	1,2,4-Trichlorobenzene	4700		ug/L	500	27.63	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	94%		
NAL13026-1718MS	T1-041	ORG 91-20-3	Naphthalene	6000		ug/L	500	56.04	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	114%		300
NAL13026-1718MS	T1-041	ORG 87-61-6	1,2,3-Trichlorobenzene	5000		ug/L	500	23.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	5000	100%		
NAL13026-1718MS	T1-041	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	50	98%		
NAL13026-1718MS	T1-041	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	50	92%		
NAL13026-1718MS	T1-041	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	50	96%		
NAL13026-1718MS	T1-041	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5035	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1718MSD	T1-041	ORG 75-71-8	Dichlorodifluoromethane	5000		ug/L	500	29.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	100%	2%	
NAL13026-1718MSD	T1-041	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	88%	2%	
NAL13026-1718MSD	T1-041	ORG 75-01-4	Vinyl chloride	4900		ug/L	200	31.86	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	98%	2%	
NAL13026-1718MSD	T1-041	ORG 74-83-9	Bromomethane	3800		ug/L	500	50.04	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	76%	8%	
NAL13026-1718MSD	T1-041	ORG 75-00-3	Chloroethane	4200		ug/L	500	55.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	84%	2%	
NAL13026-1718MSD	T1-041	ORG 75-69-4	Trichlorofluoromethane	8900		ug/L	500	19.65	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	178%	20%	
NAL13026-1718MSD	T1-041	ORG 75-35-4	1,1-Dichloroethene	6000		ug/L	100	47.11	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	120%	31%	
NAL13026-1718MSD	T1-041	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	88%	0%	
NAL13026-1718MSD	T1-041	ORG 67-64-1	Acetone	93000		ug/L	1000	155.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	-20%	3%	94000
NAL13026-1718MSD	T1-041	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	92%	0%	
NAL13026-1718MSD	T1-041	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	98%	0%	
NAL13026-1718MSD	T1-041	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	90%	0%	
NAL13026-1718MSD	T1-041	ORG 156-59-2	cis-1,2-Dichloroethene	5200		ug/L	100	32.11	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	104%	0%	
NAL13026-1718MSD	T1-041	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	94%	2%	
NAL13026-1718MSD	T1-041	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	90%	0%	
NAL13026-1718MSD	T1-041	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	96%	0%	
NAL13026-1718MSD	T1-041	ORG 78-93-3	2-Butanone	20000		ug/L	100	81.18	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	120%	5%	14000
NAL13026-1718MSD	T1-041	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	98%	0%	
NAL13026-1718MSD	T1-041	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	100%	2%	
NAL13026-1718MSD	T1-041	ORG 107-06-2	1,2-Dichloroethane	4500		ug/L	100	20.01	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	90%	0%	
NAL13026-1718MSD	T1-041	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	96%	2%	
NAL13026-1718MSD	T1-041	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	100%	2%	
NAL13026-1718MSD	T1-041	ORG 78-87-5	1,2-Dichloropropane	5200		ug/L	100	18.17	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	104%	0%	
NAL13026-1718MSD	T1-041	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	94%	0%	
NAL13026-1718MSD	T1-041	ORG 10061-01-5	cis-1,3-Dichloropropene	5600		ug/L	100	25.01	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	112%	2%	
NAL13026-1718MSD	T1-041	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	94%	0%	
NAL13026-1718MSD	T1-041	ORG 108-10-1	4-Methyl-2-pentanone	5400		ug/L	500	74.00	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	104%	5%	200
NAL13026-1718MSD	T1-041	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	112%	0%	
NAL13026-1718MSD	T1-041	ORG 127-18-4	Tetrachloroethene	5100		ug/L	100	48.56	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	102%	4%	
NAL13026-1718MSD	T1-041	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	92%	2%	
NAL13026-1718MSD	T1-041	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	100%	2%	
NAL13026-1718MSD	T1-041	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	104%	0%	
NAL13026-1718MSD	T1-041	ORG 591-78-6	2-Hexanone	3300		ug/L	200	68.90	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	63%	9%	140
NAL13026-1718MSD	T1-041	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	108%	0%	
NAL13026-1718MSD	T1-041	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	96%	2%	
NAL13026-1718MSD	T1-041	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	100%	0%	
NAL13026-1718MSD	T1-041	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	10000	110%	0%	
NAL13026-1718MSD	T1-041	ORG 95-47-6	o-Xylene	5200		ug/L	100	12.90	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	104%	2%	
NAL13026-1718MSD	T1-041	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	102%	0%	
NAL13026-1718MSD	T1-041	ORG 75-25-2	Bromoform	5100		ug/L	200	46.83	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	102%	2%	
NAL13026-1718MSD	T1-041	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	108%	2%	
NAL13026-1718MSD	T1-041	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	114%	0%	
NAL13026-1718MSD	T1-041	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	94%	4%	

Confidential
D101914AKCF



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1718MSD	T1-041	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	92%	2%	
NAL13026-1718MSD	T1-041	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	102%	2%	
NAL13026-1718MSD	T1-041	ORG 98-06-6	tert-Butylbenzene	5100		ug/L	200	32.61	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	102%	0%	
NAL13026-1718MSD	T1-041	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	103%	0%	55
NAL13026-1718MSD	T1-041	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	106%	2%	
NAL13026-1718MSD	T1-041	ORG 541-73-1	1,3-Dichlorobenzene	5200		ug/L	200	22.21	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	104%	2%	
NAL13026-1718MSD	T1-041	ORG 99-87-6	p-Isopropyltoluene	5400		ug/L	200	25.48	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	102%	2%	320
NAL13026-1718MSD	T1-041	ORG 106-46-7	1,4-Dichlorobenzene	5000		ug/L	200	33.03	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	98%	2%	120
NAL13026-1718MSD	T1-041	ORG 95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	108%	2%	
NAL13026-1718MSD	T1-041	ORG 104-51-8	n-Butylbenzene	5300		ug/L	500	27.81	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	105%	2%	60
NAL13026-1718MSD	T1-041	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5800		ug/L	500	159.11	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	116%	3%	
NAL13026-1718MSD	T1-041	ORG 87-68-3	Hexachlorobutadiene	4800		ug/L	500	65.42	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	96%	4%	
NAL13026-1718MSD	T1-041	ORG 120-82-1	1,2,4-Trichlorobenzene	4800		ug/L	500	27.63	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	96%	2%	
NAL13026-1718MSD	T1-041	ORG 91-20-3	Naphthalene	4900		ug/L	500	56.04	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	92%	20%	300
NAL13026-1718MSD	T1-041	ORG 87-61-6	1,2,3-Trichlorobenzene	5100		ug/L	500	23.28	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	5000	102%	2%	
NAL13026-1718MSD	T1-041	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	50	96%	2%	
NAL13026-1718MSD	T1-041	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	50	90%	2%	
NAL13026-1718MSD	T1-041	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	50	96%	0%	
NAL13026-1718MSD	T1-041	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/19/2014	10/19/2014	10/19/2014	WG	100	NA	5.0	NA	SW8260B	NALD5036	50	104%	2%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1719	T1-042	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 67-64-1	Acetone	106000	DX+	ug/L	10000	1556.07	10/20/2014	10/20/2014	10/20/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5042				
NAL13026-1719	T1-042	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 78-93-3	2-Butanone	13000	D	ug/L	10000	811.80	10/20/2014	10/20/2014	10/20/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5042				
NAL13026-1719	T1-042	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 108-10-1	4-Methyl-2-pentanone	170	JX+	ug/L	500	74.00	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 591-78-6	2-Hexanone	120	J	ug/L	500	68.90	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1719	T1-042	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 95-63-6	1,2,4-Trimethylbenzene	53	J	ug/L	200	20.03	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 99-87-6	p-Isopropyltoluene	290		ug/L	200	25.48	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 106-46-7	1,4-Dichlorobenzene	100		ug/L	200	33.03	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 104-51-8	n-Butylbenzene	39	J	ug/L	500	27.81	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 91-20-3	Naphthalene	380	J	ug/L	500	56.04	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041				
NAL13026-1719	T1-042	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041	50	94%		
NAL13026-1719	T1-042	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041	50	94%		
NAL13026-1719	T1-042	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041	50	104%		
NAL13026-1719	T1-042	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5041	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102014CCVA	D102014CCVA	ORG 75-71-8	Dichlorodifluoromethane	54		ug/L	5	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	108%		
D102014CCVA	D102014CCVA	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	88%		
D102014CCVA	D102014CCVA	ORG 75-01-4	Vinyl chloride	55		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	110%		
D102014CCVA	D102014CCVA	ORG 74-83-9	Bromomethane	61		ug/L	5	0.50	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	122%		
D102014CCVA	D102014CCVA	ORG 75-00-3	Chloroethane	47		ug/L	5	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	94%		
D102014CCVA	D102014CCVA	ORG 75-69-4	Trichlorofluoromethane	48		ug/L	5	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	96%		
D102014CCVA	D102014CCVA	ORG 75-35-4	1,1-Dichloroethene	51		ug/L	1	0.47	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	102%		
D102014CCVA	D102014CCVA	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	92%		
D102014CCVA	D102014CCVA	ORG 67-64-1	Acetone	77		ug/L	10	1.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	154%		
D102014CCVA	D102014CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	49		ug/L	1	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	98%		
D102014CCVA	D102014CCVA	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	106%		
D102014CCVA	D102014CCVA	ORG 75-34-3	1,1-Dichloroethane	48		ug/L	1	0.53	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	96%		
D102014CCVA	D102014CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	55		ug/L	1	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	110%		
D102014CCVA	D102014CCVA	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	100%		
D102014CCVA	D102014CCVA	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	94%		
D102014CCVA	D102014CCVA	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	100%		
D102014CCVA	D102014CCVA	ORG 78-93-3	2-Butanone	47		ug/L	1	0.81	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	94%		
D102014CCVA	D102014CCVA	ORG 56-23-5	Carbon tetrachloride	53		ug/L	1	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	106%		
D102014CCVA	D102014CCVA	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	102%		
D102014CCVA	D102014CCVA	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	94%		
D102014CCVA	D102014CCVA	ORG 79-01-6	Trichloroethene	51		ug/L	1	0.36	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	102%		
D102014CCVA	D102014CCVA	ORG 74-95-3	Dibromomethane	51		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	102%		
D102014CCVA	D102014CCVA	ORG 78-87-5	1,2-Dichloropropane	52		ug/L	1	0.18	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	104%		
D102014CCVA	D102014CCVA	ORG 75-27-4	Bromodichloromethane	50		ug/L	2	0.12	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	100%		
D102014CCVA	D102014CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	58		ug/L	1	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	116%		
D102014CCVA	D102014CCVA	ORG 108-88-3	Toluene	49		ug/L	1	0.21	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	98%		
D102014CCVA	D102014CCVA	ORG 108-10-1	4-Methyl-2-pentanone	60		ug/L	5	0.74	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	120%		
D102014CCVA	D102014CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	60		ug/L	1	0.31	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	120%		
D102014CCVA	D102014CCVA	ORG 127-18-4	Tetrachloroethene	49		ug/L	1	0.49	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	98%		
D102014CCVA	D102014CCVA	ORG 79-00-5	1,1,2-Trichloroethane	48		ug/L	1	0.34	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	96%		
D102014CCVA	D102014CCVA	ORG 124-48-1	Dibromochloromethane	53		ug/L	5	0.30	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	106%		
D102014CCVA	D102014CCVA	ORG 106-93-4	1,2-Dibromoethane	54		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	108%		
D102014CCVA	D102014CCVA	ORG 591-78-6	2-Hexanone	54		ug/L	2	0.69	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	108%		
D102014CCVA	D102014CCVA	ORG 100-41-4	Ethylbenzene	59		ug/L	1	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	118%		
D102014CCVA	D102014CCVA	ORG 108-90-7	Chlorobenzene	52		ug/L	1	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	104%		
D102014CCVA	D102014CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	55		ug/L	2	0.19	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	110%		
D102014CCVA	D102014CCVA	ORG XYLMP	p&m-Xylene	122		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	100	122%		
D102014CCVA	D102014CCVA	ORG 95-47-6	o-Xylene	54		ug/L	1	0.13	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	108%		
D102014CCVA	D102014CCVA	ORG 100-42-5	Styrene	53		ug/L	1	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	106%		
D102014CCVA	D102014CCVA	ORG 75-25-2	Bromoform	56		ug/L	2	0.47	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	112%		
D102014CCVA	D102014CCVA	ORG 98-82-8	Isopropylbenzene	56		ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	112%		
D102014CCVA	D102014CCVA	ORG 103-65-1	n-Propylbenzene	60		ug/L	2	0.27	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	120%		
D102014CCVA	D102014CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	50		ug/L	2	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	100%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102014CCVA	D102014CCVA	ORG 96-18-4	1,2,3-Trichloropropane	49		ug/L	2	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	98%		
D102014CCVA	D102014CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	106%		
D102014CCVA	D102014CCVA	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	110%		
D102014CCVA	D102014CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	106%		
D102014CCVA	D102014CCVA	ORG 135-98-8	sec-Butylbenzene	55		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	110%		
D102014CCVA	D102014CCVA	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	110%		
D102014CCVA	D102014CCVA	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	106%		
D102014CCVA	D102014CCVA	ORG 106-46-7	1,4-Dichlorobenzene	51		ug/L	2	0.33	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	102%		
D102014CCVA	D102014CCVA	ORG 95-50-1	1,2-Dichlorobenzene	55		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	110%		
D102014CCVA	D102014CCVA	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	106%		
D102014CCVA	D102014CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	55		ug/L	5	1.59	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	110%		
D102014CCVA	D102014CCVA	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	94%		
D102014CCVA	D102014CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	90%		
D102014CCVA	D102014CCVA	ORG 91-20-3	Naphthalene	50		ug/L	5	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	100%		
D102014CCVA	D102014CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	98%		
D102014CCVA	D102014CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	98%		
D102014CCVA	D102014CCVA	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	90%		
D102014CCVA	D102014CCVA	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	96%		
D102014CCVA	D102014CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5039	50	102%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102014MBKA	D102014MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102014MBKA	D102014MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040				
D102014MBKA	D102014MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040	50	94%		
D102014MBKA	D102014MBKA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040	50	98%		
D102014MBKA	D102014MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040	50	104%		
D102014MBKA	D102014MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5040	50	110%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102014ALCS	D102014ALCS	ORG 75-71-8	Dichlorodifluoromethane	52		ug/L	5	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	104%		
D102014ALCS	D102014ALCS	ORG 74-87-3	Chloromethane	46		ug/L	5	0.43	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	92%		
D102014ALCS	D102014ALCS	ORG 75-01-4	Vinyl chloride	52		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	104%		
D102014ALCS	D102014ALCS	ORG 74-83-9	Bromomethane	55		ug/L	5	0.50	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	110%		
D102014ALCS	D102014ALCS	ORG 75-00-3	Chloroethane	47		ug/L	5	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	94%		
D102014ALCS	D102014ALCS	ORG 75-69-4	Trichlorofluoromethane	115		ug/L	5	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	230%		
D102014ALCS	D102014ALCS	ORG 75-35-4	1,1-Dichloroethene	57		ug/L	1	0.47	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	114%		
D102014ALCS	D102014ALCS	ORG 75-09-2	Methylene chloride	39		ug/L	5	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	78%		
D102014ALCS	D102014ALCS	ORG 67-64-1	Acetone	45		ug/L	10	1.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	90%		
D102014ALCS	D102014ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	94%		
D102014ALCS	D102014ALCS	ORG 1634-04-4	MTBE	63		ug/L	5	0.61	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	126%		
D102014ALCS	D102014ALCS	ORG 75-34-3	1,1-Dichloroethane	49		ug/L	1	0.53	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		
D102014ALCS	D102014ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	104%		
D102014ALCS	D102014ALCS	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	100%		
D102014ALCS	D102014ALCS	ORG 67-66-3	Chloroform	49		ug/L	2	0.16	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		
D102014ALCS	D102014ALCS	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	102%		
D102014ALCS	D102014ALCS	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	106%		
D102014ALCS	D102014ALCS	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	104%		
D102014ALCS	D102014ALCS	ORG 71-43-2	Benzene	53		ug/L	1	0.14	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	106%		
D102014ALCS	D102014ALCS	ORG 107-06-2	1,2-Dichloroethane	49		ug/L	1	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		
D102014ALCS	D102014ALCS	ORG 79-01-6	Trichloroethene	51		ug/L	1	0.36	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	102%		
D102014ALCS	D102014ALCS	ORG 74-95-3	Dibromomethane	51		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	102%		
D102014ALCS	D102014ALCS	ORG 78-87-5	1,2-Dichloropropane	53		ug/L	1	0.18	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	106%		
D102014ALCS	D102014ALCS	ORG 75-27-4	Bromodichloromethane	49		ug/L	2	0.12	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		
D102014ALCS	D102014ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	57		ug/L	1	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	114%		
D102014ALCS	D102014ALCS	ORG 108-88-3	Toluene	49		ug/L	1	0.21	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		
D102014ALCS	D102014ALCS	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	108%		
D102014ALCS	D102014ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	59		ug/L	1	0.31	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	118%		
D102014ALCS	D102014ALCS	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	92%		
D102014ALCS	D102014ALCS	ORG 79-00-5	1,1,2-Trichloroethane	49		ug/L	1	0.34	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		
D102014ALCS	D102014ALCS	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	104%		
D102014ALCS	D102014ALCS	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	104%		
D102014ALCS	D102014ALCS	ORG 591-78-6	2-Hexanone	44		ug/L	2	0.69	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	88%		
D102014ALCS	D102014ALCS	ORG 100-41-4	Ethylbenzene	57		ug/L	1	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	114%		
D102014ALCS	D102014ALCS	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		
D102014ALCS	D102014ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	104%		
D102014ALCS	D102014ALCS	ORG XYLMP	p&m-Xylene	119		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	100	119%		
D102014ALCS	D102014ALCS	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	104%		
D102014ALCS	D102014ALCS	ORG 100-42-5	Styrene	53		ug/L	1	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	106%		
D102014ALCS	D102014ALCS	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	102%		
D102014ALCS	D102014ALCS	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	108%		
D102014ALCS	D102014ALCS	ORG 103-65-1	n-Propylbenzene	60		ug/L	2	0.27	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	120%		
D102014ALCS	D102014ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	49		ug/L	2	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102014ALCS	D102014ALCS	ORG 96-18-4	1,2,3-Trichloropropane	48		ug/L	2	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	96%		
D102014ALCS	D102014ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	106%		
D102014ALCS	D102014ALCS	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	108%		
D102014ALCS	D102014ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	106%		
D102014ALCS	D102014ALCS	ORG 135-98-8	sec-Butylbenzene	55		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	110%		
D102014ALCS	D102014ALCS	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	110%		
D102014ALCS	D102014ALCS	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	106%		
D102014ALCS	D102014ALCS	ORG 106-46-7	1,4-Dichlorobenzene	51		ug/L	2	0.33	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	102%		
D102014ALCS	D102014ALCS	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	108%		
D102014ALCS	D102014ALCS	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	108%		
D102014ALCS	D102014ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	51		ug/L	5	1.59	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	102%		
D102014ALCS	D102014ALCS	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	92%		
D102014ALCS	D102014ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	88%		
D102014ALCS	D102014ALCS	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	94%		
D102014ALCS	D102014ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		
D102014ALCS	D102014ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		
D102014ALCS	D102014ALCS	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	96%		
D102014ALCS	D102014ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	96%		
D102014ALCS	D102014ALCS	STD 460-00-4	Bromofluorobenzene	49		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5043	50	98%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102014ALCD	D102014ALCD	ORG 75-71-8	Dichlorodifluoromethane	52		ug/L	5	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	104%	0%	
D102014ALCD	D102014ALCD	ORG 74-87-3	Chloromethane	46		ug/L	5	0.43	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	92%	0%	
D102014ALCD	D102014ALCD	ORG 75-01-4	Vinyl chloride	52		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	104%	0%	
D102014ALCD	D102014ALCD	ORG 74-83-9	Bromomethane	49		ug/L	5	0.50	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	98%	12%	
D102014ALCD	D102014ALCD	ORG 75-00-3	Chloroethane	48		ug/L	5	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	96%	2%	
D102014ALCD	D102014ALCD	ORG 75-69-4	Trichlorofluoromethane	87		ug/L	5	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	174%	28%	
D102014ALCD	D102014ALCD	ORG 75-35-4	1,1-Dichloroethene	52		ug/L	1	0.47	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	104%	9%	
D102014ALCD	D102014ALCD	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	92%	16%	
D102014ALCD	D102014ALCD	ORG 67-64-1	Acetone	66		ug/L	10	1.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	132%	38%	
D102014ALCD	D102014ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	94%	0%	
D102014ALCD	D102014ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	98%	25%	
D102014ALCD	D102014ALCD	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	94%	4%	
D102014ALCD	D102014ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	106%	2%	
D102014ALCD	D102014ALCD	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	98%	2%	
D102014ALCD	D102014ALCD	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	94%	4%	
D102014ALCD	D102014ALCD	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	100%	2%	
D102014ALCD	D102014ALCD	ORG 78-93-3	2-Butanone	47		ug/L	1	0.81	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	94%	12%	
D102014ALCD	D102014ALCD	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	102%	2%	
D102014ALCD	D102014ALCD	ORG 71-43-2	Benzene	52		ug/L	1	0.14	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	104%	2%	
D102014ALCD	D102014ALCD	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	94%	4%	
D102014ALCD	D102014ALCD	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	100%	2%	
D102014ALCD	D102014ALCD	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	96%	6%	
D102014ALCD	D102014ALCD	ORG 78-87-5	1,2-Dichloropropane	52		ug/L	1	0.18	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	104%	2%	
D102014ALCD	D102014ALCD	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	96%	2%	
D102014ALCD	D102014ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	56		ug/L	1	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	112%	2%	
D102014ALCD	D102014ALCD	ORG 108-88-3	Toluene	48		ug/L	1	0.21	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	96%	2%	
D102014ALCD	D102014ALCD	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	108%	0%	
D102014ALCD	D102014ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	58		ug/L	1	0.31	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	116%	2%	
D102014ALCD	D102014ALCD	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	94%	2%	
D102014ALCD	D102014ALCD	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	94%	4%	
D102014ALCD	D102014ALCD	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	104%	0%	
D102014ALCD	D102014ALCD	ORG 106-93-4	1,2-Dibromoethane	53		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	106%	2%	
D102014ALCD	D102014ALCD	ORG 591-78-6	2-Hexanone	44		ug/L	2	0.69	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	88%	0%	
D102014ALCD	D102014ALCD	ORG 100-41-4	Ethylbenzene	57		ug/L	1	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	114%	0%	
D102014ALCD	D102014ALCD	ORG 108-90-7	Chlorobenzene	50		ug/L	1	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	100%	2%	
D102014ALCD	D102014ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	53		ug/L	2	0.19	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	106%	2%	
D102014ALCD	D102014ALCD	ORG XYLMP	p&m-Xylene	121		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	100	121%	2%	
D102014ALCD	D102014ALCD	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	106%	2%	
D102014ALCD	D102014ALCD	ORG 100-42-5	Styrene	53		ug/L	1	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	106%	0%	
D102014ALCD	D102014ALCD	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	106%	4%	
D102014ALCD	D102014ALCD	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	110%	2%	
D102014ALCD	D102014ALCD	ORG 103-65-1	n-Propylbenzene	59		ug/L	2	0.27	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	118%	2%	
D102014ALCD	D102014ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	49		ug/L	2	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	98%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102014ALCD	D102014ALCD	ORG 96-18-4	1,2,3-Trichloropropane	49		ug/L	2	0.29	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	98%	2%	
D102014ALCD	D102014ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	106%	0%	
D102014ALCD	D102014ALCD	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	108%	0%	
D102014ALCD	D102014ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	54		ug/L	2	0.20	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	108%	2%	
D102014ALCD	D102014ALCD	ORG 135-98-8	sec-Butylbenzene	55		ug/L	2	0.32	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	110%	0%	
D102014ALCD	D102014ALCD	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	110%	0%	
D102014ALCD	D102014ALCD	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	106%	0%	
D102014ALCD	D102014ALCD	ORG 106-46-7	1,4-Dichlorobenzene	51		ug/L	2	0.33	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	102%	0%	
D102014ALCD	D102014ALCD	ORG 95-50-1	1,2-Dichlorobenzene	55		ug/L	2	0.26	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	110%	2%	
D102014ALCD	D102014ALCD	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	106%	2%	
D102014ALCD	D102014ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	106%	4%	
D102014ALCD	D102014ALCD	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	92%	0%	
D102014ALCD	D102014ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	88%	0%	
D102014ALCD	D102014ALCD	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	96%	2%	
D102014ALCD	D102014ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	98%	0%	
D102014ALCD	D102014ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	98%	0%	
D102014ALCD	D102014ALCD	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	92%	4%	
D102014ALCD	D102014ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	96%	0%	
D102014ALCD	D102014ALCD	STD 460-00-4	Bromofluorobenzene	50		ug/L	1	0.10	NA	10/20/2014	10/20/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5044	50	100%	2%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1719MS	T1-042	ORG 75-71-8	Dichlorodifluoromethane	4900		ug/L	500	29.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	98%		
NAL13026-1719MS	T1-042	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	88%		
NAL13026-1719MS	T1-042	ORG 75-01-4	Vinyl chloride	4900		ug/L	200	31.86	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	98%		
NAL13026-1719MS	T1-042	ORG 74-83-9	Bromomethane	4500		ug/L	500	50.04	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	90%		
NAL13026-1719MS	T1-042	ORG 75-00-3	Chloroethane	4200		ug/L	500	55.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	84%		
NAL13026-1719MS	T1-042	ORG 75-69-4	Trichlorofluoromethane	8100		ug/L	500	19.65	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	162%		
NAL13026-1719MS	T1-042	ORG 75-35-4	1,1-Dichloroethene	5000		ug/L	100	47.11	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	100%		
NAL13026-1719MS	T1-042	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	88%		
NAL13026-1719MS	T1-042	ORG 67-64-1	Acetone	95000		ug/L	1000	155.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	-220%		106000
NAL13026-1719MS	T1-042	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	92%		
NAL13026-1719MS	T1-042	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	100%		
NAL13026-1719MS	T1-042	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	90%		
NAL13026-1719MS	T1-042	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	108%		
NAL13026-1719MS	T1-042	ORG 74-97-5	Bromochloromethane	4600		ug/L	1000	41.37	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	92%		
NAL13026-1719MS	T1-042	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	90%		
NAL13026-1719MS	T1-042	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	96%		
NAL13026-1719MS	T1-042	ORG 78-93-3	2-Butanone	20000		ug/L	100	81.18	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	140%		13000
NAL13026-1719MS	T1-042	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	98%		
NAL13026-1719MS	T1-042	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	100%		
NAL13026-1719MS	T1-042	ORG 107-06-2	1,2-Dichloroethane	4500		ug/L	100	20.01	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	90%		
NAL13026-1719MS	T1-042	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	96%		
NAL13026-1719MS	T1-042	ORG 74-95-3	Dibromomethane	5200		ug/L	200	32.20	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	104%		
NAL13026-1719MS	T1-042	ORG 78-87-5	1,2-Dichloropropane	5300		ug/L	100	18.17	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	106%		
NAL13026-1719MS	T1-042	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	94%		
NAL13026-1719MS	T1-042	ORG 10061-01-5	cis-1,3-Dichloropropene	5600		ug/L	100	25.01	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	112%		
NAL13026-1719MS	T1-042	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	94%		
NAL13026-1719MS	T1-042	ORG 108-10-1	4-Methyl-2-pentanone	5600		ug/L	500	74.00	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	109%		170
NAL13026-1719MS	T1-042	ORG 10061-02-6	trans-1,3-Dichloropropene	5700		ug/L	100	31.15	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	114%		
NAL13026-1719MS	T1-042	ORG 127-18-4	Tetrachloroethene	4700		ug/L	100	48.56	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	94%		
NAL13026-1719MS	T1-042	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	92%		
NAL13026-1719MS	T1-042	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	100%		
NAL13026-1719MS	T1-042	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	104%		
NAL13026-1719MS	T1-042	ORG 591-78-6	2-Hexanone	3700		ug/L	200	68.90	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	72%		120
NAL13026-1719MS	T1-042	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	108%		
NAL13026-1719MS	T1-042	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	94%		
NAL13026-1719MS	T1-042	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	100%		
NAL13026-1719MS	T1-042	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	10000	110%		
NAL13026-1719MS	T1-042	ORG 95-47-6	o-Xylene	5200		ug/L	100	12.90	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	104%		
NAL13026-1719MS	T1-042	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	102%		
NAL13026-1719MS	T1-042	ORG 75-25-2	Bromoform	5100		ug/L	200	46.83	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	102%		
NAL13026-1719MS	T1-042	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	108%		
NAL13026-1719MS	T1-042	ORG 103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	116%		
NAL13026-1719MS	T1-042	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1719MS	T1-042	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	96%		
NAL13026-1719MS	T1-042	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	102%		
NAL13026-1719MS	T1-042	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	104%		
NAL13026-1719MS	T1-042	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	103%		53
NAL13026-1719MS	T1-042	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	106%		
NAL13026-1719MS	T1-042	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	106%		
NAL13026-1719MS	T1-042	ORG 99-87-6	p-Isopropyltoluene	5500		ug/L	200	25.48	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	104%		290
NAL13026-1719MS	T1-042	ORG 106-46-7	1,4-Dichlorobenzene	5000		ug/L	200	33.03	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	98%		100
NAL13026-1719MS	T1-042	ORG 95-50-1	1,2-Dichlorobenzene	5500		ug/L	200	26.38	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	110%		
NAL13026-1719MS	T1-042	ORG 104-51-8	n-Butylbenzene	5300		ug/L	500	27.81	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	105%		39
NAL13026-1719MS	T1-042	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6100		ug/L	500	159.11	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	122%		
NAL13026-1719MS	T1-042	ORG 87-68-3	Hexachlorobutadiene	4700		ug/L	500	65.42	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	94%		
NAL13026-1719MS	T1-042	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	98%		
NAL13026-1719MS	T1-042	ORG 91-20-3	Naphthalene	6100		ug/L	500	56.04	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	114%		380
NAL13026-1719MS	T1-042	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	5000	104%		
NAL13026-1719MS	T1-042	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	50	96%		
NAL13026-1719MS	T1-042	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	50	90%		
NAL13026-1719MS	T1-042	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	50	96%		
NAL13026-1719MS	T1-042	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5045	50	104%		

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1719MSD	T1-042	ORG 75-71-8	Dichlorodifluoromethane	4900		ug/L	500	29.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	98%	0%	
NAL13026-1719MSD	T1-042	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	88%	0%	
NAL13026-1719MSD	T1-042	ORG 75-01-4	Vinyl chloride	4800		ug/L	200	31.86	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	96%	2%	
NAL13026-1719MSD	T1-042	ORG 74-83-9	Bromomethane	4700		ug/L	500	50.04	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	94%	4%	
NAL13026-1719MSD	T1-042	ORG 75-00-3	Chloroethane	4000		ug/L	500	55.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	80%	5%	
NAL13026-1719MSD	T1-042	ORG 75-69-4	Trichlorofluoromethane	18000		ug/L	500	19.65	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	360%	76%	
NAL13026-1719MSD	T1-042	ORG 75-35-4	1,1-Dichloroethene	5200		ug/L	100	47.11	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	104%	4%	
NAL13026-1719MSD	T1-042	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	90%	2%	
NAL13026-1719MSD	T1-042	ORG 67-64-1	Acetone	91000		ug/L	1000	155.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	-300%	4%	106000
NAL13026-1719MSD	T1-042	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	94%	2%	
NAL13026-1719MSD	T1-042	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	100%	0%	
NAL13026-1719MSD	T1-042	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	92%	2%	
NAL13026-1719MSD	T1-042	ORG 156-59-2	cis-1,2-Dichloroethene	5600		ug/L	100	32.11	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	112%	4%	
NAL13026-1719MSD	T1-042	ORG 74-97-5	Bromochloromethane	4900		ug/L	1000	41.37	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	98%	6%	
NAL13026-1719MSD	T1-042	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	92%	2%	
NAL13026-1719MSD	T1-042	ORG 71-55-6	1,1,1-Trichloroethane	5000		ug/L	100	16.65	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	100%	4%	
NAL13026-1719MSD	T1-042	ORG 78-93-3	2-Butanone	20000		ug/L	100	81.18	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	140%	0%	13000
NAL13026-1719MSD	T1-042	ORG 56-23-5	Carbon tetrachloride	5000		ug/L	100	27.64	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	100%	2%	
NAL13026-1719MSD	T1-042	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	100%	0%	
NAL13026-1719MSD	T1-042	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	92%	2%	
NAL13026-1719MSD	T1-042	ORG 79-01-6	Trichloroethene	5000		ug/L	100	36.33	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	100%	4%	
NAL13026-1719MSD	T1-042	ORG 74-95-3	Dibromomethane	5200		ug/L	200	32.20	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	104%	0%	
NAL13026-1719MSD	T1-042	ORG 78-87-5	1,2-Dichloropropane	5300		ug/L	100	18.17	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	106%	0%	
NAL13026-1719MSD	T1-042	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	94%	0%	
NAL13026-1719MSD	T1-042	ORG 10061-01-5	cis-1,3-Dichloropropene	5700		ug/L	100	25.01	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	114%	2%	
NAL13026-1719MSD	T1-042	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	94%	0%	
NAL13026-1719MSD	T1-042	ORG 108-10-1	4-Methyl-2-pentanone	5300		ug/L	500	74.00	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	103%	6%	170
NAL13026-1719MSD	T1-042	ORG 10061-02-6	trans-1,3-Dichloropropene	5700		ug/L	100	31.15	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	114%	0%	
NAL13026-1719MSD	T1-042	ORG 127-18-4	Tetrachloroethene	5000		ug/L	100	48.56	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	100%	6%	
NAL13026-1719MSD	T1-042	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	92%	0%	
NAL13026-1719MSD	T1-042	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	100%	0%	
NAL13026-1719MSD	T1-042	ORG 106-93-4	1,2-Dibromoethane	5300		ug/L	200	26.49	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	106%	2%	
NAL13026-1719MSD	T1-042	ORG 591-78-6	2-Hexanone	3100		ug/L	200	68.90	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	60%	18%	120
NAL13026-1719MSD	T1-042	ORG 100-41-4	Ethylbenzene	5700		ug/L	100	25.38	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	114%	5%	
NAL13026-1719MSD	T1-042	ORG 108-90-7	Chlorobenzene	5000		ug/L	100	27.52	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	100%	6%	
NAL13026-1719MSD	T1-042	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5300		ug/L	200	19.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	106%	6%	
NAL13026-1719MSD	T1-042	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	10000	120%	9%	
NAL13026-1719MSD	T1-042	ORG 95-47-6	o-Xylene	5400		ug/L	100	12.90	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	108%	4%	
NAL13026-1719MSD	T1-042	ORG 100-42-5	Styrene	5300		ug/L	100	20.23	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	106%	4%	
NAL13026-1719MSD	T1-042	ORG 75-25-2	Bromoform	5400		ug/L	200	46.83	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	108%	6%	
NAL13026-1719MSD	T1-042	ORG 98-82-8	Isopropylbenzene	5600		ug/L	200	20.48	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	112%	4%	
NAL13026-1719MSD	T1-042	ORG 103-65-1	n-Propylbenzene	5900		ug/L	200	27.00	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	118%	2%	
NAL13026-1719MSD	T1-042	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	96%	0%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1719MSD	T1-042	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	94%	2%	
NAL13026-1719MSD	T1-042	ORG 108-67-8	1,3,5-Trimethylbenzene	5300		ug/L	200	20.03	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	106%	4%	
NAL13026-1719MSD	T1-042	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	106%	2%	
NAL13026-1719MSD	T1-042	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	105%	2%	53
NAL13026-1719MSD	T1-042	ORG 135-98-8	sec-Butylbenzene	5500		ug/L	200	32.34	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	110%	4%	
NAL13026-1719MSD	T1-042	ORG 541-73-1	1,3-Dichlorobenzene	5500		ug/L	200	22.21	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	110%	4%	
NAL13026-1719MSD	T1-042	ORG 99-87-6	p-Isopropyltoluene	5500		ug/L	200	25.48	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	104%	0%	290
NAL13026-1719MSD	T1-042	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	100%	2%	100
NAL13026-1719MSD	T1-042	ORG 95-50-1	1,2-Dichlorobenzene	5600		ug/L	200	26.38	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	112%	2%	
NAL13026-1719MSD	T1-042	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	107%	2%	39
NAL13026-1719MSD	T1-042	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5900		ug/L	500	159.11	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	118%	3%	
NAL13026-1719MSD	T1-042	ORG 87-68-3	Hexachlorobutadiene	4800		ug/L	500	65.42	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	96%	2%	
NAL13026-1719MSD	T1-042	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	98%	0%	
NAL13026-1719MSD	T1-042	ORG 91-20-3	Naphthalene	6100		ug/L	500	56.04	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	114%	0%	380
NAL13026-1719MSD	T1-042	ORG 87-61-6	1,2,3-Trichlorobenzene	5300		ug/L	500	23.28	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	5000	106%	2%	
NAL13026-1719MSD	T1-042	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	50	98%	2%	
NAL13026-1719MSD	T1-042	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	50	90%	0%	
NAL13026-1719MSD	T1-042	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	50	96%	0%	
NAL13026-1719MSD	T1-042	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/20/2014	10/20/2014	10/20/2014	WG	100	NA	5.0	NA	SW8260B	NALD5046	50	106%	2%	

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.
D = Compound identified in an analysis at a secondary dilution factor.
E = Compound's concentration exceeds the calibration range of the instrument at this dilution.
X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
M = Matrix assessment, QC analyses parameter exceeded control limits.
U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1720	T1-043	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 67-64-1	Acetone	100000	DX+	ug/L	10000	1556.07	10/21/2014	10/21/2014	10/21/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5053				
NAL13026-1720	T1-043	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 78-93-3	2-Butanone	11000	D	ug/L	10000	811.80	10/21/2014	10/21/2014	10/21/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5053				
NAL13026-1720	T1-043	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 108-10-1	4-Methyl-2-pentanone	160	J	ug/L	500	74.00	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 591-78-6	2-Hexanone		UX-	ug/L	500	68.90	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1720	T1-043	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 95-63-6	1,2,4-Trimethylbenzene	41	J	ug/L	200	20.03	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 99-87-6	p-Isopropyltoluene	240		ug/L	200	25.48	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 106-46-7	1,4-Dichlorobenzene	67	J	ug/L	200	33.03	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 104-51-8	n-Butylbenzene	34	J	ug/L	500	27.81	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 91-20-3	Naphthalene	350	J	ug/L	500	56.04	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052				
NAL13026-1720	T1-043	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052	50	94%		
NAL13026-1720	T1-043	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052	50	96%		
NAL13026-1720	T1-043	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052	50	104%		
NAL13026-1720	T1-043	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5052	50	108%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D10214CCVA	D10214CCVA	ORG 75-71-8	Dichlorodifluoromethane	53		ug/L	5	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	106%		
D10214CCVA	D10214CCVA	ORG 74-87-3	Chloromethane	45		ug/L	5	0.43	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	90%		
D10214CCVA	D10214CCVA	ORG 75-01-4	Vinyl chloride	53		ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	106%		
D10214CCVA	D10214CCVA	ORG 74-83-9	Bromomethane	52		ug/L	5	0.50	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	104%		
D10214CCVA	D10214CCVA	ORG 75-00-3	Chloroethane	47		ug/L	5	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	94%		
D10214CCVA	D10214CCVA	ORG 75-69-4	Trichlorofluoromethane	137		ug/L	5	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	274%		
D10214CCVA	D10214CCVA	ORG 75-35-4	1,1-Dichloroethene	52		ug/L	1	0.47	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	104%		
D10214CCVA	D10214CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	90%		
D10214CCVA	D10214CCVA	ORG 67-64-1	Acetone	62		ug/L	10	1.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	124%		
D10214CCVA	D10214CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	94%		
D10214CCVA	D10214CCVA	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	98%		
D10214CCVA	D10214CCVA	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	92%		
D10214CCVA	D10214CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	104%		
D10214CCVA	D10214CCVA	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	96%		
D10214CCVA	D10214CCVA	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	92%		
D10214CCVA	D10214CCVA	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	98%		
D10214CCVA	D10214CCVA	ORG 78-93-3	2-Butanone	48		ug/L	1	0.81	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	96%		
D10214CCVA	D10214CCVA	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	102%		
D10214CCVA	D10214CCVA	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	100%		
D10214CCVA	D10214CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	90%		
D10214CCVA	D10214CCVA	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	98%		
D10214CCVA	D10214CCVA	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	94%		
D10214CCVA	D10214CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	98%		
D10214CCVA	D10214CCVA	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	94%		
D10214CCVA	D10214CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	110%		
D10214CCVA	D10214CCVA	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	94%		
D10214CCVA	D10214CCVA	ORG 108-10-1	4-Methyl-2-pentanone	52		ug/L	5	0.74	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	104%		
D10214CCVA	D10214CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	112%		
D10214CCVA	D10214CCVA	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	90%		
D10214CCVA	D10214CCVA	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	90%		
D10214CCVA	D10214CCVA	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	98%		
D10214CCVA	D10214CCVA	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	100%		
D10214CCVA	D10214CCVA	ORG 591-78-6	2-Hexanone	40		ug/L	2	0.69	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	80%		
D10214CCVA	D10214CCVA	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	110%		
D10214CCVA	D10214CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	96%		
D10214CCVA	D10214CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	102%		
D10214CCVA	D10214CCVA	ORG XYLMP	p&m-Xylene	115		ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	100	115%		
D10214CCVA	D10214CCVA	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	102%		
D10214CCVA	D10214CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	100%		
D10214CCVA	D10214CCVA	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	98%		
D10214CCVA	D10214CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	106%		
D10214CCVA	D10214CCVA	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	116%		
D10214CCVA	D10214CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	90%		
D10214CCVA	D10214CCVA	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	90%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D10214CCVA	D10214CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	102%		
D10214CCVA	D10214CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	106%		
D10214CCVA	D10214CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	102%		
D10214CCVA	D10214CCVA	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	108%		
D10214CCVA	D10214CCVA	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	106%		
D10214CCVA	D10214CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	104%		
D10214CCVA	D10214CCVA	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	98%		
D10214CCVA	D10214CCVA	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	104%		
D10214CCVA	D10214CCVA	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	104%		
D10214CCVA	D10214CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	47		ug/L	5	1.59	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	94%		
D10214CCVA	D10214CCVA	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	92%		
D10214CCVA	D10214CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	43		ug/L	5	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	86%		
D10214CCVA	D10214CCVA	ORG 91-20-3	Naphthalene	43		ug/L	5	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	86%		
D10214CCVA	D10214CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	45		ug/L	5	0.23	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	90%		
D10214CCVA	D10214CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	98%		
D10214CCVA	D10214CCVA	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	90%		
D10214CCVA	D10214CCVA	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	96%		
D10214CCVA	D10214CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5049	50	102%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102114MBKA	D102114MBKA	ORG 75-71-8	Dichlorodifluoromethane	U	ug/L	5	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 74-87-3	Chloromethane	U	ug/L	5	0.43	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 75-01-4	Vinyl chloride	U	ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 74-83-9	Bromomethane	U	ug/L	5	0.50	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 75-00-3	Chloroethane	U	ug/L	5	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 75-69-4	Trichlorofluoromethane	U	ug/L	5	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 75-35-4	1,1-Dichloroethene	U	ug/L	1	0.47	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 75-09-2	Methylene chloride	U	ug/L	5	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 67-64-1	Acetone	U	ug/L	10	1.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U	ug/L	1	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 1634-04-4	MTBE	U	ug/L	5	0.61	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 75-34-3	1,1-Dichloroethane	U	ug/L	1	0.53	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U	ug/L	1	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 74-97-5	Bromochloromethane	U	ug/L	10	0.41	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 67-66-3	Chloroform	U	ug/L	2	0.16	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U	ug/L	1	0.17	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 78-93-3	2-Butanone	U	ug/L	1	0.81	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 56-23-5	Carbon tetrachloride	U	ug/L	1	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 71-43-2	Benzene	U	ug/L	1	0.14	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 107-06-2	1,2-Dichloroethane	U	ug/L	1	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 79-01-6	Trichloroethene	U	ug/L	1	0.36	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 74-95-3	Dibromomethane	U	ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 78-87-5	1,2-Dichloropropane	U	ug/L	1	0.18	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 75-27-4	Bromodichloromethane	U	ug/L	2	0.12	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U	ug/L	1	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 108-88-3	Toluene	U	ug/L	1	0.21	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U	ug/L	5	0.74	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U	ug/L	1	0.31	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 127-18-4	Tetrachloroethene	U	ug/L	1	0.49	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U	ug/L	1	0.34	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 124-48-1	Dibromochloromethane	U	ug/L	5	0.30	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 106-93-4	1,2-Dibromoethane	U	ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 591-78-6	2-Hexanone	U	ug/L	2	0.69	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 100-41-4	Ethylbenzene	U	ug/L	1	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 108-90-7	Chlorobenzene	U	ug/L	1	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U	ug/L	2	0.19	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG XYLMP	p&m-Xylene	U	ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 95-47-6	o-Xylene	U	ug/L	1	0.13	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 100-42-5	Styrene	U	ug/L	1	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 75-25-2	Bromoform	U	ug/L	2	0.47	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 98-82-8	Isopropylbenzene	U	ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 103-65-1	n-Propylbenzene	U	ug/L	2	0.27	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U	ug/L	2	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					
D102114MBKA	D102114MBKA	ORG 96-18-4	1,2,3-Trichloropropane	U	ug/L	2	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051					



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102114MBKA	D102114MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051				
D102114MBKA	D102114MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051	50	94%		
D102114MBKA	D102114MBKA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051	50	96%		
D102114MBKA	D102114MBKA	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051	50	104%		
D102114MBKA	D102114MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5051	50	110%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102114ALCS	D102114ALCS	ORG 75-71-8	Dichlorodifluoromethane	53		ug/L	5	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	106%		
D102114ALCS	D102114ALCS	ORG 74-87-3	Chloromethane	45		ug/L	5	0.43	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	90%		
D102114ALCS	D102114ALCS	ORG 75-01-4	Vinyl chloride	51		ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	102%		
D102114ALCS	D102114ALCS	ORG 74-83-9	Bromomethane	53		ug/L	5	0.50	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	106%		
D102114ALCS	D102114ALCS	ORG 75-00-3	Chloroethane	45		ug/L	5	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	90%		
D102114ALCS	D102114ALCS	ORG 75-69-4	Trichlorofluoromethane	117		ug/L	5	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	234%		
D102114ALCS	D102114ALCS	ORG 75-35-4	1,1-Dichloroethene	50		ug/L	1	0.47	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	100%		
D102114ALCS	D102114ALCS	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	92%		
D102114ALCS	D102114ALCS	ORG 67-64-1	Acetone	60		ug/L	10	1.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	120%		
D102114ALCS	D102114ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	94%		
D102114ALCS	D102114ALCS	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	102%		
D102114ALCS	D102114ALCS	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	92%		
D102114ALCS	D102114ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	106%		
D102114ALCS	D102114ALCS	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	96%		
D102114ALCS	D102114ALCS	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	92%		
D102114ALCS	D102114ALCS	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	96%		
D102114ALCS	D102114ALCS	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	100%		
D102114ALCS	D102114ALCS	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	102%		
D102114ALCS	D102114ALCS	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	100%		
D102114ALCS	D102114ALCS	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	92%		
D102114ALCS	D102114ALCS	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	96%		
D102114ALCS	D102114ALCS	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	98%		
D102114ALCS	D102114ALCS	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	100%		
D102114ALCS	D102114ALCS	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	94%		
D102114ALCS	D102114ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	110%		
D102114ALCS	D102114ALCS	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	94%		
D102114ALCS	D102114ALCS	ORG 108-10-1	4-Methyl-2-pentanone	55		ug/L	5	0.74	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	110%		
D102114ALCS	D102114ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	114%		
D102114ALCS	D102114ALCS	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	96%		
D102114ALCS	D102114ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	92%		
D102114ALCS	D102114ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	102%		
D102114ALCS	D102114ALCS	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	104%		
D102114ALCS	D102114ALCS	ORG 591-78-6	2-Hexanone	45		ug/L	2	0.69	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	90%		
D102114ALCS	D102114ALCS	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	110%		
D102114ALCS	D102114ALCS	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	98%		
D102114ALCS	D102114ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	104%		
D102114ALCS	D102114ALCS	ORG XYLMP	p&m-Xylene	117		ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	100	117%		
D102114ALCS	D102114ALCS	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	104%		
D102114ALCS	D102114ALCS	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	102%		
D102114ALCS	D102114ALCS	ORG 75-25-2	Bromoform	53		ug/L	2	0.47	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	106%		
D102114ALCS	D102114ALCS	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	108%		
D102114ALCS	D102114ALCS	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	116%		
D102114ALCS	D102114ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	49		ug/L	2	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	98%		
D102114ALCS	D102114ALCS	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	94%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102114ALCS	D102114ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	104%		
D102114ALCS	D102114ALCS	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	106%		
D102114ALCS	D102114ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	104%		
D102114ALCS	D102114ALCS	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	106%		
D102114ALCS	D102114ALCS	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	108%		
D102114ALCS	D102114ALCS	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	104%		
D102114ALCS	D102114ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	98%		
D102114ALCS	D102114ALCS	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	108%		
D102114ALCS	D102114ALCS	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	104%		
D102114ALCS	D102114ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	106%		
D102114ALCS	D102114ALCS	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	92%		
D102114ALCS	D102114ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	90%		
D102114ALCS	D102114ALCS	ORG 91-20-3	Naphthalene	49		ug/L	5	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	98%		
D102114ALCS	D102114ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	98%		
D102114ALCS	D102114ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	98%		
D102114ALCS	D102114ALCS	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	90%		
D102114ALCS	D102114ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	94%		
D102114ALCS	D102114ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5050	50	102%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102114ALCD	D102114ALCD	ORG 75-71-8	Dichlorodifluoromethane	53		ug/L	5	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	106%	0%	
D102114ALCD	D102114ALCD	ORG 74-87-3	Chloromethane	46		ug/L	5	0.43	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	92%	2%	
D102114ALCD	D102114ALCD	ORG 75-01-4	Vinyl chloride	52		ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	104%	2%	
D102114ALCD	D102114ALCD	ORG 74-83-9	Bromomethane	59		ug/L	5	0.50	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	118%	11%	
D102114ALCD	D102114ALCD	ORG 75-00-3	Chloroethane	47		ug/L	5	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	94%	4%	
D102114ALCD	D102114ALCD	ORG 75-69-4	Trichlorofluoromethane	109		ug/L	5	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	218%	7%	
D102114ALCD	D102114ALCD	ORG 75-35-4	1,1-Dichloroethene	55		ug/L	1	0.47	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	110%	10%	
D102114ALCD	D102114ALCD	ORG 75-09-2	Methylene chloride	47		ug/L	5	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	94%	2%	
D102114ALCD	D102114ALCD	ORG 67-64-1	Acetone	52		ug/L	10	1.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	104%	14%	
D102114ALCD	D102114ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	94%	0%	
D102114ALCD	D102114ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	98%	4%	
D102114ALCD	D102114ALCD	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	94%	2%	
D102114ALCD	D102114ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	51		ug/L	1	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	102%	4%	
D102114ALCD	D102114ALCD	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	100%	4%	
D102114ALCD	D102114ALCD	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	94%	2%	
D102114ALCD	D102114ALCD	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	100%	4%	
D102114ALCD	D102114ALCD	ORG 78-93-3	2-Butanone	55		ug/L	1	0.81	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	110%	10%	
D102114ALCD	D102114ALCD	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	100%	2%	
D102114ALCD	D102114ALCD	ORG 71-43-2	Benzene	52		ug/L	1	0.14	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	104%	4%	
D102114ALCD	D102114ALCD	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	94%	2%	
D102114ALCD	D102114ALCD	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	100%	4%	
D102114ALCD	D102114ALCD	ORG 74-95-3	Dibromomethane	50		ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	100%	2%	
D102114ALCD	D102114ALCD	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	102%	2%	
D102114ALCD	D102114ALCD	ORG 75-27-4	Bromodichloromethane	48		ug/L	2	0.12	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	96%	2%	
D102114ALCD	D102114ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	110%	0%	
D102114ALCD	D102114ALCD	ORG 108-88-3	Toluene	48		ug/L	1	0.21	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	96%	2%	
D102114ALCD	D102114ALCD	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	108%	2%	
D102114ALCD	D102114ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	114%	0%	
D102114ALCD	D102114ALCD	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	92%	4%	
D102114ALCD	D102114ALCD	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	94%	2%	
D102114ALCD	D102114ALCD	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	102%	0%	
D102114ALCD	D102114ALCD	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	102%	2%	
D102114ALCD	D102114ALCD	ORG 591-78-6	2-Hexanone	41		ug/L	2	0.69	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	82%	9%	
D102114ALCD	D102114ALCD	ORG 100-41-4	Ethylbenzene	56		ug/L	1	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	112%	2%	
D102114ALCD	D102114ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	98%	0%	
D102114ALCD	D102114ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	102%	2%	
D102114ALCD	D102114ALCD	ORG XYLMP	p&m-Xylene	119		ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	100	119%	2%	
D102114ALCD	D102114ALCD	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	104%	0%	
D102114ALCD	D102114ALCD	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	104%	2%	
D102114ALCD	D102114ALCD	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	100%	6%	
D102114ALCD	D102114ALCD	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	108%	0%	
D102114ALCD	D102114ALCD	ORG 103-65-1	n-Propylbenzene	59		ug/L	2	0.27	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	118%	2%	
D102114ALCD	D102114ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	49		ug/L	2	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	98%	0%	
D102114ALCD	D102114ALCD	ORG 96-18-4	1,2,3-Trichloropropane	48		ug/L	2	0.29	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	96%	2%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102114ALCD	D102114ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	106%	2%	
D102114ALCD	D102114ALCD	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	106%	0%	
D102114ALCD	D102114ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	106%	2%	
D102114ALCD	D102114ALCD	ORG 135-98-8	sec-Butylbenzene	55		ug/L	2	0.32	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	110%	4%	
D102114ALCD	D102114ALCD	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	110%	2%	
D102114ALCD	D102114ALCD	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	106%	2%	
D102114ALCD	D102114ALCD	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	100%	2%	
D102114ALCD	D102114ALCD	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	108%	0%	
D102114ALCD	D102114ALCD	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	108%	4%	
D102114ALCD	D102114ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	106%	0%	
D102114ALCD	D102114ALCD	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	94%	2%	
D102114ALCD	D102114ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	88%	2%	
D102114ALCD	D102114ALCD	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	94%	4%	
D102114ALCD	D102114ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	98%	0%	
D102114ALCD	D102114ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	100%	2%	
D102114ALCD	D102114ALCD	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	92%	2%	
D102114ALCD	D102114ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	96%	2%	
D102114ALCD	D102114ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/21/2014	10/21/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5054	50	102%	0%	



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1720MS	T1-043	ORG 75-71-8	Dichlorodifluoromethane	5000		ug/L	500	29.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	100%		
NAL13026-1720MS	T1-043	ORG 74-87-3	Chloromethane	4500		ug/L	500	43.07	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	90%		
NAL13026-1720MS	T1-043	ORG 75-01-4	Vinyl chloride	4800		ug/L	200	31.86	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	96%		
NAL13026-1720MS	T1-043	ORG 74-83-9	Bromomethane	4800		ug/L	500	50.04	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	96%		
NAL13026-1720MS	T1-043	ORG 75-00-3	Chloroethane	4500		ug/L	500	55.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	90%		
NAL13026-1720MS	T1-043	ORG 75-69-4	Trichlorofluoromethane	12000		ug/L	500	19.65	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	240%		
NAL13026-1720MS	T1-043	ORG 75-35-4	1,1-Dichloroethene	5800		ug/L	100	47.11	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	116%		
NAL13026-1720MS	T1-043	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	90%		
NAL13026-1720MS	T1-043	ORG 67-64-1	Acetone	93000		ug/L	1000	155.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	-140%		100000
NAL13026-1720MS	T1-043	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	94%		
NAL13026-1720MS	T1-043	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	98%		
NAL13026-1720MS	T1-043	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	92%		
NAL13026-1720MS	T1-043	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	108%		
NAL13026-1720MS	T1-043	ORG 74-97-5	Bromochloromethane	4900		ug/L	1000	41.37	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	98%		
NAL13026-1720MS	T1-043	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	92%		
NAL13026-1720MS	T1-043	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	98%		
NAL13026-1720MS	T1-043	ORG 78-93-3	2-Butanone	20000		ug/L	100	81.18	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	180%		11000
NAL13026-1720MS	T1-043	ORG 56-23-5	Carbon tetrachloride	5000		ug/L	100	27.64	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	100%		
NAL13026-1720MS	T1-043	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	100%		
NAL13026-1720MS	T1-043	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	92%		
NAL13026-1720MS	T1-043	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	98%		
NAL13026-1720MS	T1-043	ORG 74-95-3	Dibromomethane	5200		ug/L	200	32.20	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	104%		
NAL13026-1720MS	T1-043	ORG 78-87-5	1,2-Dichloropropane	5300		ug/L	100	18.17	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	106%		
NAL13026-1720MS	T1-043	ORG 75-27-4	Bromodichloromethane	4800		ug/L	200	11.58	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	96%		
NAL13026-1720MS	T1-043	ORG 10061-01-5	cis-1,3-Dichloropropene	5700		ug/L	100	25.01	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	114%		
NAL13026-1720MS	T1-043	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	94%		
NAL13026-1720MS	T1-043	ORG 108-10-1	4-Methyl-2-pentanone	5600		ug/L	500	74.00	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	109%		160
NAL13026-1720MS	T1-043	ORG 10061-02-6	trans-1,3-Dichloropropene	5800		ug/L	100	31.15	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	116%		
NAL13026-1720MS	T1-043	ORG 127-18-4	Tetrachloroethene	4800		ug/L	100	48.56	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	96%		
NAL13026-1720MS	T1-043	ORG 79-00-5	1,1,2-Trichloroethane	4800		ug/L	100	34.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	96%		
NAL13026-1720MS	T1-043	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	102%		
NAL13026-1720MS	T1-043	ORG 106-93-4	1,2-Dibromoethane	5300		ug/L	200	26.49	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	106%		
NAL13026-1720MS	T1-043	ORG 591-78-6	2-Hexanone	3600		ug/L	200	68.90	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	72%		
NAL13026-1720MS	T1-043	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	110%		
NAL13026-1720MS	T1-043	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	94%		
NAL13026-1720MS	T1-043	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	98%		
NAL13026-1720MS	T1-043	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	10000	110%		
NAL13026-1720MS	T1-043	ORG 95-47-6	o-Xylene	5100		ug/L	100	12.90	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	102%		
NAL13026-1720MS	T1-043	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	104%		
NAL13026-1720MS	T1-043	ORG 75-25-2	Bromoform	5100		ug/L	200	46.83	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	102%		
NAL13026-1720MS	T1-043	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	108%		
NAL13026-1720MS	T1-043	ORG 103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	116%		
NAL13026-1720MS	T1-043	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	96%		
NAL13026-1720MS	T1-043	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1720MS	T1-043	ORG 108-67-8	1,3,5-Trimethylbenzene	5200		ug/L	200	20.03	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	104%		
NAL13026-1720MS	T1-043	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	104%		
NAL13026-1720MS	T1-043	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	103%		41
NAL13026-1720MS	T1-043	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	108%		
NAL13026-1720MS	T1-043	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	106%		
NAL13026-1720MS	T1-043	ORG 99-87-6	p-Isopropyltoluene	5400		ug/L	200	25.48	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	103%		240
NAL13026-1720MS	T1-043	ORG 106-46-7	1,4-Dichlorobenzene	5000		ug/L	200	33.03	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	99%		67
NAL13026-1720MS	T1-043	ORG 95-50-1	1,2-Dichlorobenzene	5500		ug/L	200	26.38	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	110%		
NAL13026-1720MS	T1-043	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	107%		34
NAL13026-1720MS	T1-043	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6000		ug/L	500	159.11	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	120%		
NAL13026-1720MS	T1-043	ORG 87-68-3	Hexachlorobutadiene	4800		ug/L	500	65.42	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	96%		
NAL13026-1720MS	T1-043	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	98%		
NAL13026-1720MS	T1-043	ORG 91-20-3	Naphthalene	5900		ug/L	500	56.04	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	111%		350
NAL13026-1720MS	T1-043	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	5000	104%		
NAL13026-1720MS	T1-043	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	50	98%		
NAL13026-1720MS	T1-043	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	50	92%		
NAL13026-1720MS	T1-043	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	50	96%		
NAL13026-1720MS	T1-043	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5055	50	102%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1720MSD	T1-043	ORG 75-71-8	Dichlorodifluoromethane	5000		ug/L	500	29.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	100%	0%	
NAL13026-1720MSD	T1-043	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	88%	2%	
NAL13026-1720MSD	T1-043	ORG 75-01-4	Vinyl chloride	5000		ug/L	200	31.86	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	100%	4%	
NAL13026-1720MSD	T1-043	ORG 74-83-9	Bromomethane	4500		ug/L	500	50.04	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	90%	6%	
NAL13026-1720MSD	T1-043	ORG 75-00-3	Chloroethane	4300		ug/L	500	55.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	86%	5%	
NAL13026-1720MSD	T1-043	ORG 75-69-4	Trichlorofluoromethane	12000		ug/L	500	19.65	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	240%	0%	
NAL13026-1720MSD	T1-043	ORG 75-35-4	1,1-Dichloroethene	4800		ug/L	100	47.11	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	96%	19%	
NAL13026-1720MSD	T1-043	ORG 75-09-2	Methylene chloride	4300		ug/L	500	26.46	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	86%	5%	
NAL13026-1720MSD	T1-043	ORG 67-64-1	Acetone	88000		ug/L	1000	155.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	-240%	6%	100000
NAL13026-1720MSD	T1-043	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	92%	2%	
NAL13026-1720MSD	T1-043	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	98%	0%	
NAL13026-1720MSD	T1-043	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	90%	2%	
NAL13026-1720MSD	T1-043	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	108%	0%	
NAL13026-1720MSD	T1-043	ORG 74-97-5	Bromochloromethane	4600		ug/L	1000	41.37	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	92%	6%	
NAL13026-1720MSD	T1-043	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	90%	2%	
NAL13026-1720MSD	T1-043	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	96%	2%	
NAL13026-1720MSD	T1-043	ORG 78-93-3	2-Butanone	19000		ug/L	100	81.18	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	160%	5%	11000
NAL13026-1720MSD	T1-043	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	98%	2%	
NAL13026-1720MSD	T1-043	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	98%	2%	
NAL13026-1720MSD	T1-043	ORG 107-06-2	1,2-Dichloroethane	4500		ug/L	100	20.01	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	90%	2%	
NAL13026-1720MSD	T1-043	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	98%	0%	
NAL13026-1720MSD	T1-043	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	100%	4%	
NAL13026-1720MSD	T1-043	ORG 78-87-5	1,2-Dichloropropane	5100		ug/L	100	18.17	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	102%	4%	
NAL13026-1720MSD	T1-043	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	92%	4%	
NAL13026-1720MSD	T1-043	ORG 10061-01-5	cis-1,3-Dichloropropene	5500		ug/L	100	25.01	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	110%	4%	
NAL13026-1720MSD	T1-043	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	92%	2%	
NAL13026-1720MSD	T1-043	ORG 108-10-1	4-Methyl-2-pentanone	5200		ug/L	500	74.00	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	101%	7%	160
NAL13026-1720MSD	T1-043	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	110%	5%	
NAL13026-1720MSD	T1-043	ORG 127-18-4	Tetrachloroethene	4900		ug/L	100	48.56	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	98%	2%	
NAL13026-1720MSD	T1-043	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	90%	6%	
NAL13026-1720MSD	T1-043	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	98%	4%	
NAL13026-1720MSD	T1-043	ORG 106-93-4	1,2-Dibromoethane	5100		ug/L	200	26.49	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	102%	4%	
NAL13026-1720MSD	T1-043	ORG 591-78-6	2-Hexanone	3300		ug/L	200	68.90	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	66%	9%	
NAL13026-1720MSD	T1-043	ORG 100-41-4	Ethylbenzene	5300		ug/L	100	25.38	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	106%	4%	
NAL13026-1720MSD	T1-043	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	94%	0%	
NAL13026-1720MSD	T1-043	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	98%	0%	
NAL13026-1720MSD	T1-043	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	10000	110%	0%	
NAL13026-1720MSD	T1-043	ORG 95-47-6	o-Xylene	5100		ug/L	100	12.90	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	102%	0%	
NAL13026-1720MSD	T1-043	ORG 100-42-5	Styrene	5000		ug/L	100	20.23	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	100%	4%	
NAL13026-1720MSD	T1-043	ORG 75-25-2	Bromoform	5000		ug/L	200	46.83	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	100%	2%	
NAL13026-1720MSD	T1-043	ORG 98-82-8	Isopropylbenzene	5300		ug/L	200	20.48	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	106%	2%	
NAL13026-1720MSD	T1-043	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	114%	2%	
NAL13026-1720MSD	T1-043	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29.16	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	92%	4%	
NAL13026-1720MSD	T1-043	ORG 96-18-4	1,2,3-Trichloropropane	4500		ug/L	200	29.47	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	90%	6%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1720MSD	T1-043	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	102%	2%	
NAL13026-1720MSD	T1-043	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	104%	0%	
NAL13026-1720MSD	T1-043	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	101%	2%	41
NAL13026-1720MSD	T1-043	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	104%	4%	
NAL13026-1720MSD	T1-043	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	106%	0%	
NAL13026-1720MSD	T1-043	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	101%	2%	240
NAL13026-1720MSD	T1-043	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	97%	2%	67
NAL13026-1720MSD	T1-043	ORG 95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	108%	2%	
NAL13026-1720MSD	T1-043	ORG 104-51-8	n-Butylbenzene	5300		ug/L	500	27.81	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	105%	2%	34
NAL13026-1720MSD	T1-043	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5600		ug/L	500	159.11	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	112%	7%	
NAL13026-1720MSD	T1-043	ORG 87-68-3	Hexachlorobutadiene	4700		ug/L	500	65.42	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	94%	2%	
NAL13026-1720MSD	T1-043	ORG 120-82-1	1,2,4-Trichlorobenzene	4700		ug/L	500	27.63	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	94%	4%	
NAL13026-1720MSD	T1-043	ORG 91-20-3	Naphthalene	5700		ug/L	500	56.04	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	107%	3%	350
NAL13026-1720MSD	T1-043	ORG 87-61-6	1,2,3-Trichlorobenzene	5000		ug/L	500	23.28	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	5000	100%	4%	
NAL13026-1720MSD	T1-043	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	50	98%	0%	
NAL13026-1720MSD	T1-043	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	50	90%	2%	
NAL13026-1720MSD	T1-043	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	50	96%	0%	
NAL13026-1720MSD	T1-043	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/21/2014	10/21/2014	10/21/2014	WG	100	NA	5.0	NA	SW8260B	NALD5056	50	104%	2%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1721	T1-044	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 67-64-1	Acetone	83000	D	ug/L	10000	1556.07	10/22/2014	10/22/2014	10/22/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5062				
NAL13026-1721	T1-044	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 78-93-3	2-Butanone	14000	U	ug/L	1000	81.18	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 108-10-1	4-Methyl-2-pentanone	190	J	ug/L	500	74.00	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1721	T1-044	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 95-63-6	1,2,4-Trimethylbenzene	43	J	ug/L	200	20.03	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 99-87-6	p-Isopropyltoluene	240		ug/L	200	25.48	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 106-46-7	1,4-Dichlorobenzene	63	J	ug/L	200	33.03	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 91-20-3	Naphthalene	250	J	ug/L	500	56.04	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061				
NAL13026-1721	T1-044	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061	50	94%		
NAL13026-1721	T1-044	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061	50	96%		
NAL13026-1721	T1-044	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061	50	104%		
NAL13026-1721	T1-044	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5061	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102214CCVA	D102214CCVA	ORG 75-71-8	Dichlorodifluoromethane	50		ug/L	5	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	100%		
D102214CCVA	D102214CCVA	ORG 74-87-3	Chloromethane	43		ug/L	5	0.43	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	86%		
D102214CCVA	D102214CCVA	ORG 75-01-4	Vinyl chloride	52		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	104%		
D102214CCVA	D102214CCVA	ORG 74-83-9	Bromomethane	45		ug/L	5	0.50	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	90%		
D102214CCVA	D102214CCVA	ORG 75-00-3	Chloroethane	41		ug/L	5	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	82%		
D102214CCVA	D102214CCVA	ORG 75-69-4	Trichlorofluoromethane	87		ug/L	5	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	174%		
D102214CCVA	D102214CCVA	ORG 75-35-4	1,1-Dichloroethene	44		ug/L	1	0.47	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	88%		
D102214CCVA	D102214CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	90%		
D102214CCVA	D102214CCVA	ORG 67-64-1	Acetone	43		ug/L	10	1.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	86%		
D102214CCVA	D102214CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	92%		
D102214CCVA	D102214CCVA	ORG 1634-04-4	MTBE	50		ug/L	5	0.61	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	100%		
D102214CCVA	D102214CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	90%		
D102214CCVA	D102214CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	106%		
D102214CCVA	D102214CCVA	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	96%		
D102214CCVA	D102214CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	90%		
D102214CCVA	D102214CCVA	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	96%		
D102214CCVA	D102214CCVA	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	100%		
D102214CCVA	D102214CCVA	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	100%		
D102214CCVA	D102214CCVA	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	98%		
D102214CCVA	D102214CCVA	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	88%		
D102214CCVA	D102214CCVA	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	96%		
D102214CCVA	D102214CCVA	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	94%		
D102214CCVA	D102214CCVA	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	96%		
D102214CCVA	D102214CCVA	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	90%		
D102214CCVA	D102214CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	108%		
D102214CCVA	D102214CCVA	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	90%		
D102214CCVA	D102214CCVA	ORG 108-10-1	4-Methyl-2-pentanone	50		ug/L	5	0.74	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	100%		
D102214CCVA	D102214CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	110%		
D102214CCVA	D102214CCVA	ORG 127-18-4	Tetrachloroethene	44		ug/L	1	0.49	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	88%		
D102214CCVA	D102214CCVA	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	88%		
D102214CCVA	D102214CCVA	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	98%		
D102214CCVA	D102214CCVA	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	98%		
D102214CCVA	D102214CCVA	ORG 591-78-6	2-Hexanone	41		ug/L	2	0.69	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	82%		
D102214CCVA	D102214CCVA	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	108%		
D102214CCVA	D102214CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	96%		
D102214CCVA	D102214CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	49		ug/L	2	0.19	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	98%		
D102214CCVA	D102214CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	100	110%		
D102214CCVA	D102214CCVA	ORG 95-47-6	o-Xylene	50		ug/L	1	0.13	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	100%		
D102214CCVA	D102214CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	100%		
D102214CCVA	D102214CCVA	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	98%		
D102214CCVA	D102214CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	106%		
D102214CCVA	D102214CCVA	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	114%		
D102214CCVA	D102214CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	44		ug/L	2	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	88%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102214CCVA	D102214CCVA	ORG 96-18-4	1,2,3-Trichloropropane	43		ug/L	2	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	86%		
D102214CCVA	D102214CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	102%		
D102214CCVA	D102214CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	106%		
D102214CCVA	D102214CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	102%		
D102214CCVA	D102214CCVA	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	106%		
D102214CCVA	D102214CCVA	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	104%		
D102214CCVA	D102214CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	104%		
D102214CCVA	D102214CCVA	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	96%		
D102214CCVA	D102214CCVA	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	104%		
D102214CCVA	D102214CCVA	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	104%		
D102214CCVA	D102214CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	47		ug/L	5	1.59	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	94%		
D102214CCVA	D102214CCVA	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	94%		
D102214CCVA	D102214CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	43		ug/L	5	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	86%		
D102214CCVA	D102214CCVA	ORG 91-20-3	Naphthalene	42		ug/L	5	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	84%		
D102214CCVA	D102214CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	46		ug/L	5	0.23	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	92%		
D102214CCVA	D102214CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	98%		
D102214CCVA	D102214CCVA	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	90%		
D102214CCVA	D102214CCVA	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	96%		
D102214CCVA	D102214CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5058	50	102%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102214MBKA	D102214MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102214MBKA	D102214MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060				
D102214MBKA	D102214MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060	50	94%		
D102214MBKA	D102214MBKA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060	50	98%		
D102214MBKA	D102214MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060	50	102%		
D102214MBKA	D102214MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5060	50	110%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102214ALCS	D102214ALCS	ORG 75-71-8	Dichlorodifluoromethane	48		ug/L	5	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	96%		
D102214ALCS	D102214ALCS	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	84%		
D102214ALCS	D102214ALCS	ORG 75-01-4	Vinyl chloride	50		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	100%		
D102214ALCS	D102214ALCS	ORG 74-83-9	Bromomethane	44		ug/L	5	0.50	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	88%		
D102214ALCS	D102214ALCS	ORG 75-00-3	Chloroethane	43		ug/L	5	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	86%		
D102214ALCS	D102214ALCS	ORG 75-69-4	Trichlorofluoromethane	93		ug/L	5	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	186%		
D102214ALCS	D102214ALCS	ORG 75-35-4	1,1-Dichloroethene	42		ug/L	1	0.47	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	84%		
D102214ALCS	D102214ALCS	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	88%		
D102214ALCS	D102214ALCS	ORG 67-64-1	Acetone	65		ug/L	10	1.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	130%		
D102214ALCS	D102214ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	92%		
D102214ALCS	D102214ALCS	ORG 1634-04-4	MTBE	50		ug/L	5	0.61	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	100%		
D102214ALCS	D102214ALCS	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	90%		
D102214ALCS	D102214ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	106%		
D102214ALCS	D102214ALCS	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	96%		
D102214ALCS	D102214ALCS	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	90%		
D102214ALCS	D102214ALCS	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	96%		
D102214ALCS	D102214ALCS	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	100%		
D102214ALCS	D102214ALCS	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	98%		
D102214ALCS	D102214ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	98%		
D102214ALCS	D102214ALCS	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	88%		
D102214ALCS	D102214ALCS	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	96%		
D102214ALCS	D102214ALCS	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	98%		
D102214ALCS	D102214ALCS	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	98%		
D102214ALCS	D102214ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	92%		
D102214ALCS	D102214ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	108%		
D102214ALCS	D102214ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	92%		
D102214ALCS	D102214ALCS	ORG 108-10-1	4-Methyl-2-pentanone	55		ug/L	5	0.74	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	110%		
D102214ALCS	D102214ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	112%		
D102214ALCS	D102214ALCS	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	92%		
D102214ALCS	D102214ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	92%		
D102214ALCS	D102214ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	102%		
D102214ALCS	D102214ALCS	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	104%		
D102214ALCS	D102214ALCS	ORG 591-78-6	2-Hexanone	48		ug/L	2	0.69	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	96%		
D102214ALCS	D102214ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	108%		
D102214ALCS	D102214ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	96%		
D102214ALCS	D102214ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	104%		
D102214ALCS	D102214ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	100	110%		
D102214ALCS	D102214ALCS	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	102%		
D102214ALCS	D102214ALCS	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	102%		
D102214ALCS	D102214ALCS	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	104%		
D102214ALCS	D102214ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	106%		
D102214ALCS	D102214ALCS	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	114%		
D102214ALCS	D102214ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	96%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102214ALCS	D102214ALCS	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	94%		
D102214ALCS	D102214ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	102%		
D102214ALCS	D102214ALCS	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	104%		
D102214ALCS	D102214ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	102%		
D102214ALCS	D102214ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	104%		
D102214ALCS	D102214ALCS	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	108%		
D102214ALCS	D102214ALCS	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	104%		
D102214ALCS	D102214ALCS	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	100%		
D102214ALCS	D102214ALCS	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	106%		
D102214ALCS	D102214ALCS	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	104%		
D102214ALCS	D102214ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	106%		
D102214ALCS	D102214ALCS	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	94%		
D102214ALCS	D102214ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	90%		
D102214ALCS	D102214ALCS	ORG 91-20-3	Naphthalene	50		ug/L	5	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	100%		
D102214ALCS	D102214ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	100%		
D102214ALCS	D102214ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	98%		
D102214ALCS	D102214ALCS	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	92%		
D102214ALCS	D102214ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	94%		
D102214ALCS	D102214ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5059	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102214ALCD	D102214ALCD	ORG 75-71-8	Dichlorodifluoromethane	49		ug/L	5	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	98%	2%	
D102214ALCD	D102214ALCD	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	84%	0%	
D102214ALCD	D102214ALCD	ORG 75-01-4	Vinyl chloride	49		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	98%	2%	
D102214ALCD	D102214ALCD	ORG 74-83-9	Bromomethane	58		ug/L	5	0.50	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	116%	27%	
D102214ALCD	D102214ALCD	ORG 75-00-3	Chloroethane	46		ug/L	5	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	92%	7%	
D102214ALCD	D102214ALCD	ORG 75-69-4	Trichlorofluoromethane	380		ug/L	5	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	760%	121%	
D102214ALCD	D102214ALCD	ORG 75-35-4	1,1-Dichloroethene	60		ug/L	1	0.47	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	120%	35%	
D102214ALCD	D102214ALCD	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	88%	0%	
D102214ALCD	D102214ALCD	ORG 67-64-1	Acetone	51		ug/L	10	1.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	102%	24%	
D102214ALCD	D102214ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	92%	0%	
D102214ALCD	D102214ALCD	ORG 1634-04-4	MTBE	48		ug/L	5	0.61	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	96%	4%	
D102214ALCD	D102214ALCD	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	90%	0%	
D102214ALCD	D102214ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	51		ug/L	1	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	102%	4%	
D102214ALCD	D102214ALCD	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	92%	4%	
D102214ALCD	D102214ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	92%	2%	
D102214ALCD	D102214ALCD	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	96%	0%	
D102214ALCD	D102214ALCD	ORG 78-93-3	2-Butanone	48		ug/L	1	0.81	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	96%	4%	
D102214ALCD	D102214ALCD	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	100%	2%	
D102214ALCD	D102214ALCD	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	98%	0%	
D102214ALCD	D102214ALCD	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	90%	2%	
D102214ALCD	D102214ALCD	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	98%	2%	
D102214ALCD	D102214ALCD	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	94%	4%	
D102214ALCD	D102214ALCD	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	100%	2%	
D102214ALCD	D102214ALCD	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	94%	2%	
D102214ALCD	D102214ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	108%	0%	
D102214ALCD	D102214ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	94%	2%	
D102214ALCD	D102214ALCD	ORG 108-10-1	4-Methyl-2-pentanone	50		ug/L	5	0.74	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	100%	10%	
D102214ALCD	D102214ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	112%	0%	
D102214ALCD	D102214ALCD	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	90%	2%	
D102214ALCD	D102214ALCD	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	90%	2%	
D102214ALCD	D102214ALCD	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	98%	4%	
D102214ALCD	D102214ALCD	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	98%	6%	
D102214ALCD	D102214ALCD	ORG 591-78-6	2-Hexanone	40		ug/L	2	0.69	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	80%	18%	
D102214ALCD	D102214ALCD	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	110%	2%	
D102214ALCD	D102214ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	98%	2%	
D102214ALCD	D102214ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	102%	2%	
D102214ALCD	D102214ALCD	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	100	120%	9%	
D102214ALCD	D102214ALCD	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	102%	0%	
D102214ALCD	D102214ALCD	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	102%	0%	
D102214ALCD	D102214ALCD	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	96%	8%	
D102214ALCD	D102214ALCD	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	106%	0%	
D102214ALCD	D102214ALCD	ORG 103-65-1	n-Propylbenzene	59		ug/L	2	0.27	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	118%	3%	
D102214ALCD	D102214ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	90%	6%	

Confidential
D102214AKCF



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102214ALCD	D102214ALCD	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	88%	7%	
D102214ALCD	D102214ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	104%	2%	
D102214ALCD	D102214ALCD	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	106%	2%	
D102214ALCD	D102214ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	104%	2%	
D102214ALCD	D102214ALCD	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	108%	4%	
D102214ALCD	D102214ALCD	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	106%	2%	
D102214ALCD	D102214ALCD	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	106%	2%	
D102214ALCD	D102214ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	96%	4%	
D102214ALCD	D102214ALCD	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	104%	2%	
D102214ALCD	D102214ALCD	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	106%	2%	
D102214ALCD	D102214ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	47		ug/L	5	1.59	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	94%	12%	
D102214ALCD	D102214ALCD	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	92%	2%	
D102214ALCD	D102214ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	88%	2%	
D102214ALCD	D102214ALCD	ORG 91-20-3	Naphthalene	44		ug/L	5	0.56	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	88%	13%	
D102214ALCD	D102214ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	47		ug/L	5	0.23	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	94%	6%	
D102214ALCD	D102214ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	98%	0%	
D102214ALCD	D102214ALCD	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	90%	2%	
D102214ALCD	D102214ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	96%	2%	
D102214ALCD	D102214ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/22/2014	10/22/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5063	50	102%	0%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1721MS	T1-044	ORG 75-71-8	Dichlorodifluoromethane	5000		ug/L	500	29.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	100%		
NAL13026-1721MS	T1-044	ORG 74-87-3	Chloromethane	4500		ug/L	500	43.07	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	90%		
NAL13026-1721MS	T1-044	ORG 75-01-4	Vinyl chloride	4900		ug/L	200	31.86	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	98%		
NAL13026-1721MS	T1-044	ORG 74-83-9	Bromomethane	4500		ug/L	500	50.04	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	90%		
NAL13026-1721MS	T1-044	ORG 75-00-3	Chloroethane	4200		ug/L	500	55.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	84%		
NAL13026-1721MS	T1-044	ORG 75-69-4	Trichlorofluoromethane	7900		ug/L	500	19.65	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	158%		
NAL13026-1721MS	T1-044	ORG 75-35-4	1,1-Dichloroethene	4700		ug/L	100	47.11	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	94%		
NAL13026-1721MS	T1-044	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	90%		
NAL13026-1721MS	T1-044	ORG 67-64-1	Acetone	84000		ug/L	1000	155.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	20%		83000
NAL13026-1721MS	T1-044	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	94%		
NAL13026-1721MS	T1-044	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	98%		
NAL13026-1721MS	T1-044	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	92%		
NAL13026-1721MS	T1-044	ORG 156-59-2	cis-1,2-Dichloroethene	5600		ug/L	100	32.11	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	112%		
NAL13026-1721MS	T1-044	ORG 74-97-5	Bromochloromethane	4800		ug/L	1000	41.37	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	96%		
NAL13026-1721MS	T1-044	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	92%		
NAL13026-1721MS	T1-044	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	98%		
NAL13026-1721MS	T1-044	ORG 78-93-3	2-Butanone	19000		ug/L	100	81.18	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	100%		14000
NAL13026-1721MS	T1-044	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	98%		
NAL13026-1721MS	T1-044	ORG 71-43-2	Benzene	5100		ug/L	100	13.53	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	102%		
NAL13026-1721MS	T1-044	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	92%		
NAL13026-1721MS	T1-044	ORG 79-01-6	Trichloroethene	5000		ug/L	100	36.33	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	100%		
NAL13026-1721MS	T1-044	ORG 74-95-3	Dibromomethane	5300		ug/L	200	32.20	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	106%		
NAL13026-1721MS	T1-044	ORG 78-87-5	1,2-Dichloropropane	5300		ug/L	100	18.17	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	106%		
NAL13026-1721MS	T1-044	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	94%		
NAL13026-1721MS	T1-044	ORG 10061-01-5	cis-1,3-Dichloropropene	5700		ug/L	100	25.01	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	114%		
NAL13026-1721MS	T1-044	ORG 108-88-3	Toluene	4800		ug/L	100	20.96	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	96%		
NAL13026-1721MS	T1-044	ORG 108-10-1	4-Methyl-2-pentanone	5500		ug/L	500	74.00	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	106%		190
NAL13026-1721MS	T1-044	ORG 10061-02-6	trans-1,3-Dichloropropene	5800		ug/L	100	31.15	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	116%		
NAL13026-1721MS	T1-044	ORG 127-18-4	Tetrachloroethene	4700		ug/L	100	48.56	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	94%		
NAL13026-1721MS	T1-044	ORG 79-00-5	1,1,2-Trichloroethane	4700		ug/L	100	34.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	94%		
NAL13026-1721MS	T1-044	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	102%		
NAL13026-1721MS	T1-044	ORG 106-93-4	1,2-Dibromoethane	5300		ug/L	200	26.49	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	106%		
NAL13026-1721MS	T1-044	ORG 591-78-6	2-Hexanone	3600		ug/L	200	68.90	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	72%		
NAL13026-1721MS	T1-044	ORG 100-41-4	Ethylbenzene	5600		ug/L	100	25.38	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	112%		
NAL13026-1721MS	T1-044	ORG 108-90-7	Chlorobenzene	4900		ug/L	100	27.52	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	98%		
NAL13026-1721MS	T1-044	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	102%		
NAL13026-1721MS	T1-044	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	10000	120%		
NAL13026-1721MS	T1-044	ORG 95-47-6	o-Xylene	5300		ug/L	100	12.90	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	106%		
NAL13026-1721MS	T1-044	ORG 100-42-5	Styrene	5300		ug/L	100	20.23	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	106%		
NAL13026-1721MS	T1-044	ORG 75-25-2	Bromoform	5200		ug/L	200	46.83	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	104%		
NAL13026-1721MS	T1-044	ORG 98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	110%		
NAL13026-1721MS	T1-044	ORG 103-65-1	n-Propylbenzene	5900		ug/L	200	27.00	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	118%		
NAL13026-1721MS	T1-044	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4900		ug/L	200	29.16	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	98%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1721MS	T1-044	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	96%		
NAL13026-1721MS	T1-044	ORG 108-67-8	1,3,5-Trimethylbenzene	5300		ug/L	200	20.03	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	106%		
NAL13026-1721MS	T1-044	ORG 98-06-6	tert-Butylbenzene	5400		ug/L	200	32.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	108%		
NAL13026-1721MS	T1-044	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	105%		43
NAL13026-1721MS	T1-044	ORG 135-98-8	sec-Butylbenzene	5500		ug/L	200	32.34	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	110%		
NAL13026-1721MS	T1-044	ORG 541-73-1	1,3-Dichlorobenzene	5500		ug/L	200	22.21	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	110%		
NAL13026-1721MS	T1-044	ORG 99-87-6	p-Isopropyltoluene	5500		ug/L	200	25.48	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	105%		240
NAL13026-1721MS	T1-044	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	101%		63
NAL13026-1721MS	T1-044	ORG 95-50-1	1,2-Dichlorobenzene	5600		ug/L	200	26.38	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	112%		
NAL13026-1721MS	T1-044	ORG 104-51-8	n-Butylbenzene	5500		ug/L	500	27.81	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	110%		
NAL13026-1721MS	T1-044	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6000		ug/L	500	159.11	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	120%		
NAL13026-1721MS	T1-044	ORG 87-68-3	Hexachlorobutadiene	5000		ug/L	500	65.42	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	100%		
NAL13026-1721MS	T1-044	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	98%		
NAL13026-1721MS	T1-044	ORG 91-20-3	Naphthalene	5900		ug/L	500	56.04	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	113%		250
NAL13026-1721MS	T1-044	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	5000	104%		
NAL13026-1721MS	T1-044	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	50	98%		
NAL13026-1721MS	T1-044	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	50	90%		
NAL13026-1721MS	T1-044	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	50	96%		
NAL13026-1721MS	T1-044	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5064	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1721MSD	T1-044	ORG 75-71-8	Dichlorodifluoromethane	5000		ug/L	500	29.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	100%	0%	
NAL13026-1721MSD	T1-044	ORG 74-87-3	Chloromethane	4600		ug/L	500	43.07	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	92%	2%	
NAL13026-1721MSD	T1-044	ORG 75-01-4	Vinyl chloride	5000		ug/L	200	31.86	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	100%	2%	
NAL13026-1721MSD	T1-044	ORG 74-83-9	Bromomethane	4400		ug/L	500	50.04	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	88%	2%	
NAL13026-1721MSD	T1-044	ORG 75-00-3	Chloroethane	4100		ug/L	500	55.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	82%	2%	
NAL13026-1721MSD	T1-044	ORG 75-69-4	Trichlorofluoromethane	9800		ug/L	500	19.65	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	196%	21%	
NAL13026-1721MSD	T1-044	ORG 75-35-4	1,1-Dichloroethene	4700		ug/L	100	47.11	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	94%	0%	
NAL13026-1721MSD	T1-044	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	90%	0%	
NAL13026-1721MSD	T1-044	ORG 67-64-1	Acetone	83000		ug/L	1000	155.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	0%	1%	83000
NAL13026-1721MSD	T1-044	ORG 156-60-5	trans-1,2-Dichloroethene	4800		ug/L	100	55.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	96%	2%	
NAL13026-1721MSD	T1-044	ORG 1634-04-4	MTBE	5100		ug/L	500	61.18	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	102%	4%	
NAL13026-1721MSD	T1-044	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	92%	0%	
NAL13026-1721MSD	T1-044	ORG 156-59-2	cis-1,2-Dichloroethene	5600		ug/L	100	32.11	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	112%	0%	
NAL13026-1721MSD	T1-044	ORG 74-97-5	Bromochloromethane	4800		ug/L	1000	41.37	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	96%	0%	
NAL13026-1721MSD	T1-044	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	92%	0%	
NAL13026-1721MSD	T1-044	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	98%	0%	
NAL13026-1721MSD	T1-044	ORG 78-93-3	2-Butanone	19000		ug/L	100	81.18	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	100%	0%	14000
NAL13026-1721MSD	T1-044	ORG 56-23-5	Carbon tetrachloride	5000		ug/L	100	27.64	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	100%	2%	
NAL13026-1721MSD	T1-044	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	100%	2%	
NAL13026-1721MSD	T1-044	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	92%	0%	
NAL13026-1721MSD	T1-044	ORG 79-01-6	Trichloroethene	5000		ug/L	100	36.33	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	100%	0%	
NAL13026-1721MSD	T1-044	ORG 74-95-3	Dibromomethane	5100		ug/L	200	32.20	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	102%	4%	
NAL13026-1721MSD	T1-044	ORG 78-87-5	1,2-Dichloropropane	5200		ug/L	100	18.17	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	104%	2%	
NAL13026-1721MSD	T1-044	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	94%	0%	
NAL13026-1721MSD	T1-044	ORG 10061-01-5	cis-1,3-Dichloropropene	5700		ug/L	100	25.01	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	114%	0%	
NAL13026-1721MSD	T1-044	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	94%	2%	
NAL13026-1721MSD	T1-044	ORG 108-10-1	4-Methyl-2-pentanone	5400		ug/L	500	74.00	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	104%	2%	190
NAL13026-1721MSD	T1-044	ORG 10061-02-6	trans-1,3-Dichloropropene	5800		ug/L	100	31.15	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	116%	0%	
NAL13026-1721MSD	T1-044	ORG 127-18-4	Tetrachloroethene	5000		ug/L	100	48.56	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	100%	6%	
NAL13026-1721MSD	T1-044	ORG 79-00-5	1,1,2-Trichloroethane	4700		ug/L	100	34.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	94%	0%	
NAL13026-1721MSD	T1-044	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	102%	0%	
NAL13026-1721MSD	T1-044	ORG 106-93-4	1,2-Dibromoethane	5300		ug/L	200	26.49	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	106%	0%	
NAL13026-1721MSD	T1-044	ORG 591-78-6	2-Hexanone	3400		ug/L	200	68.90	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	68%	6%	
NAL13026-1721MSD	T1-044	ORG 100-41-4	Ethylbenzene	5600		ug/L	100	25.38	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	112%	0%	
NAL13026-1721MSD	T1-044	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	96%	2%	
NAL13026-1721MSD	T1-044	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	102%	0%	
NAL13026-1721MSD	T1-044	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	10000	120%	0%	
NAL13026-1721MSD	T1-044	ORG 95-47-6	o-Xylene	5300		ug/L	100	12.90	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	106%	0%	
NAL13026-1721MSD	T1-044	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	104%	2%	
NAL13026-1721MSD	T1-044	ORG 75-25-2	Bromoform	5200		ug/L	200	46.83	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	104%	0%	
NAL13026-1721MSD	T1-044	ORG 98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	110%	0%	
NAL13026-1721MSD	T1-044	ORG 103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	116%	2%	
NAL13026-1721MSD	T1-044	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	96%	2%	

Confidential
D102214AKCF



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1721MSD	T1-044	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	96%	0%	
NAL13026-1721MSD	T1-044	ORG 108-67-8	1,3,5-Trimethylbenzene	5200		ug/L	200	20.03	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	104%	2%	
NAL13026-1721MSD	T1-044	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	106%	2%	
NAL13026-1721MSD	T1-044	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	105%	0%	43
NAL13026-1721MSD	T1-044	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	108%	2%	
NAL13026-1721MSD	T1-044	ORG 541-73-1	1,3-Dichlorobenzene	5400		ug/L	200	22.21	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	108%	2%	
NAL13026-1721MSD	T1-044	ORG 99-87-6	p-Isopropyltoluene	5500		ug/L	200	25.48	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	105%	0%	240
NAL13026-1721MSD	T1-044	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	101%	0%	63
NAL13026-1721MSD	T1-044	ORG 95-50-1	1,2-Dichlorobenzene	5600		ug/L	200	26.38	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	112%	0%	
NAL13026-1721MSD	T1-044	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	108%	2%	
NAL13026-1721MSD	T1-044	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6000		ug/L	500	159.11	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	120%	0%	
NAL13026-1721MSD	T1-044	ORG 87-68-3	Hexachlorobutadiene	4900		ug/L	500	65.42	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	98%	2%	
NAL13026-1721MSD	T1-044	ORG 120-82-1	1,2,4-Trichlorobenzene	5000		ug/L	500	27.63	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	100%	2%	
NAL13026-1721MSD	T1-044	ORG 91-20-3	Naphthalene	6000		ug/L	500	56.04	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	115%	2%	250
NAL13026-1721MSD	T1-044	ORG 87-61-6	1,2,3-Trichlorobenzene	5300		ug/L	500	23.28	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	5000	106%	2%	
NAL13026-1721MSD	T1-044	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	50	98%	0%	
NAL13026-1721MSD	T1-044	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	50	90%	0%	
NAL13026-1721MSD	T1-044	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	50	96%	0%	
NAL13026-1721MSD	T1-044	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/22/2014	10/22/2014	10/22/2014	WG	100	NA	5.0	NA	SW8260B	NALD5065	50	104%	2%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1722	T1-045	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 67-64-1	Acetone	84000	D	ug/L	10000	1556.07	10/23/2014	10/23/2014	10/23/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5071				
NAL13026-1722	T1-045	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 78-93-3	2-Butanone	13000		ug/L	1000	81.18	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 108-10-1	4-Methyl-2-pentanone	160	J	ug/L	500	74.00	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 591-78-6	2-Hexanone	110	J	ug/L	500	68.90	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1722	T1-045	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 95-63-6	1,2,4-Trimethylbenzene	75	J	ug/L	200	20.03	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 99-87-6	p-Isopropyltoluene	400		ug/L	200	25.48	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 106-46-7	1,4-Dichlorobenzene	160	J	ug/L	200	33.03	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 104-51-8	n-Butylbenzene	43	J	ug/L	500	27.81	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 91-20-3	Naphthalene	340	J	ug/L	500	56.04	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070				
NAL13026-1722	T1-045	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070	50	94%		
NAL13026-1722	T1-045	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070	50	94%		
NAL13026-1722	T1-045	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070	50	104%		
NAL13026-1722	T1-045	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5070	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102314CCVA	D102314CCVA	ORG 75-71-8	Dichlorodifluoromethane	53		ug/L	5	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	106%		
D102314CCVA	D102314CCVA	ORG 74-87-3	Chloromethane	43		ug/L	5	0.43	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	86%		
D102314CCVA	D102314CCVA	ORG 75-01-4	Vinyl chloride	54		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	108%		
D102314CCVA	D102314CCVA	ORG 74-83-9	Bromomethane	51		ug/L	5	0.50	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	102%		
D102314CCVA	D102314CCVA	ORG 75-00-3	Chloroethane	41		ug/L	5	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	82%		
D102314CCVA	D102314CCVA	ORG 75-69-4	Trichlorofluoromethane	110		ug/L	5	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	220%		
D102314CCVA	D102314CCVA	ORG 75-35-4	1,1-Dichloroethene	43		ug/L	1	0.47	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	86%		
D102314CCVA	D102314CCVA	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	88%		
D102314CCVA	D102314CCVA	ORG 67-64-1	Acetone	51		ug/L	10	1.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	102%		
D102314CCVA	D102314CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	94%		
D102314CCVA	D102314CCVA	ORG 1634-04-4	MTBE	50		ug/L	5	0.61	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	100%		
D102314CCVA	D102314CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	90%		
D102314CCVA	D102314CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	106%		
D102314CCVA	D102314CCVA	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	96%		
D102314CCVA	D102314CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	90%		
D102314CCVA	D102314CCVA	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	96%		
D102314CCVA	D102314CCVA	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	106%		
D102314CCVA	D102314CCVA	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	100%		
D102314CCVA	D102314CCVA	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	98%		
D102314CCVA	D102314CCVA	ORG 107-06-2	1,2-Dichloroethane	43		ug/L	1	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	86%		
D102314CCVA	D102314CCVA	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	98%		
D102314CCVA	D102314CCVA	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	94%		
D102314CCVA	D102314CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	98%		
D102314CCVA	D102314CCVA	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	92%		
D102314CCVA	D102314CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	110%		
D102314CCVA	D102314CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	92%		
D102314CCVA	D102314CCVA	ORG 108-10-1	4-Methyl-2-pentanone	52		ug/L	5	0.74	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	104%		
D102314CCVA	D102314CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	112%		
D102314CCVA	D102314CCVA	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	94%		
D102314CCVA	D102314CCVA	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	88%		
D102314CCVA	D102314CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	100%		
D102314CCVA	D102314CCVA	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	100%		
D102314CCVA	D102314CCVA	ORG 591-78-6	2-Hexanone	42		ug/L	2	0.69	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	84%		
D102314CCVA	D102314CCVA	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	108%		
D102314CCVA	D102314CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	96%		
D102314CCVA	D102314CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	102%		
D102314CCVA	D102314CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	100	110%		
D102314CCVA	D102314CCVA	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	102%		
D102314CCVA	D102314CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	100%		
D102314CCVA	D102314CCVA	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	100%		
D102314CCVA	D102314CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	106%		
D102314CCVA	D102314CCVA	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	114%		
D102314CCVA	D102314CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	44		ug/L	2	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	88%		

Confidential
D102314AKCF



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102314CCVA	D102314CCVA	ORG 96-18-4	1,2,3-Trichloropropane	43		ug/L	2	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	86%		
D102314CCVA	D102314CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	102%		
D102314CCVA	D102314CCVA	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	104%		
D102314CCVA	D102314CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	102%		
D102314CCVA	D102314CCVA	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	106%		
D102314CCVA	D102314CCVA	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	106%		
D102314CCVA	D102314CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	104%		
D102314CCVA	D102314CCVA	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	98%		
D102314CCVA	D102314CCVA	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	104%		
D102314CCVA	D102314CCVA	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	104%		
D102314CCVA	D102314CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	47		ug/L	5	1.59	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	94%		
D102314CCVA	D102314CCVA	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	94%		
D102314CCVA	D102314CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	88%		
D102314CCVA	D102314CCVA	ORG 91-20-3	Naphthalene	44		ug/L	5	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	88%		
D102314CCVA	D102314CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	47		ug/L	5	0.23	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	94%		
D102314CCVA	D102314CCVA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	96%		
D102314CCVA	D102314CCVA	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	88%		
D102314CCVA	D102314CCVA	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	96%		
D102314CCVA	D102314CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5067	50	104%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102314MBKA	D102314MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 67-66-3	Chloroform	U		ug/L	1	0.16	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102314MBKA	D102314MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069				
D102314MBKA	D102314MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069	50	94%		
D102314MBKA	D102314MBKA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069	50	96%		
D102314MBKA	D102314MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069	50	102%		
D102314MBKA	D102314MBKA	STD 460-00-4	Bromofluorobenzene	56		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5069	50	112%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102314ALCS	D102314ALCS	ORG 75-71-8	Dichlorodifluoromethane	45		ug/L	5	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	90%		
D102314ALCS	D102314ALCS	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	82%		
D102314ALCS	D102314ALCS	ORG 75-01-4	Vinyl chloride	47		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	94%		
D102314ALCS	D102314ALCS	ORG 74-83-9	Bromomethane	49		ug/L	5	0.50	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	98%		
D102314ALCS	D102314ALCS	ORG 75-00-3	Chloroethane	37		ug/L	5	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	74%		
D102314ALCS	D102314ALCS	ORG 75-69-4	Trichlorofluoromethane	110		ug/L	5	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	220%		
D102314ALCS	D102314ALCS	ORG 75-35-4	1,1-Dichloroethene	42		ug/L	1	0.47	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	84%		
D102314ALCS	D102314ALCS	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	88%		
D102314ALCS	D102314ALCS	ORG 67-64-1	Acetone	66		ug/L	10	1.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	132%		
D102314ALCS	D102314ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	92%		
D102314ALCS	D102314ALCS	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	102%		
D102314ALCS	D102314ALCS	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	90%		
D102314ALCS	D102314ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	106%		
D102314ALCS	D102314ALCS	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	98%		
D102314ALCS	D102314ALCS	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	92%		
D102314ALCS	D102314ALCS	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	94%		
D102314ALCS	D102314ALCS	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	100%		
D102314ALCS	D102314ALCS	ORG 56-23-5	Carbon tetrachloride	48		ug/L	1	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	96%		
D102314ALCS	D102314ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	98%		
D102314ALCS	D102314ALCS	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	90%		
D102314ALCS	D102314ALCS	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	96%		
D102314ALCS	D102314ALCS	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	96%		
D102314ALCS	D102314ALCS	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	100%		
D102314ALCS	D102314ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	92%		
D102314ALCS	D102314ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	108%		
D102314ALCS	D102314ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	92%		
D102314ALCS	D102314ALCS	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	112%		
D102314ALCS	D102314ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	110%		
D102314ALCS	D102314ALCS	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	92%		
D102314ALCS	D102314ALCS	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	90%		
D102314ALCS	D102314ALCS	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	100%		
D102314ALCS	D102314ALCS	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	104%		
D102314ALCS	D102314ALCS	ORG 591-78-6	2-Hexanone	51		ug/L	2	0.69	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	102%		
D102314ALCS	D102314ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	108%		
D102314ALCS	D102314ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	96%		
D102314ALCS	D102314ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	102%		
D102314ALCS	D102314ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	100	110%		
D102314ALCS	D102314ALCS	ORG 95-47-6	o-Xylene	50		ug/L	1	0.13	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	100%		
D102314ALCS	D102314ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	100%		
D102314ALCS	D102314ALCS	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	102%		
D102314ALCS	D102314ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	106%		
D102314ALCS	D102314ALCS	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	112%		
D102314ALCS	D102314ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	94%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102314ALCS	D102314ALCS	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	88%		
D102314ALCS	D102314ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	100%		
D102314ALCS	D102314ALCS	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	104%		
D102314ALCS	D102314ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	102%		
D102314ALCS	D102314ALCS	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	102%		
D102314ALCS	D102314ALCS	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	104%		
D102314ALCS	D102314ALCS	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	102%		
D102314ALCS	D102314ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	98%		
D102314ALCS	D102314ALCS	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	104%		
D102314ALCS	D102314ALCS	ORG 104-51-8	n-Butylbenzene	50		ug/L	5	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	100%		
D102314ALCS	D102314ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	52		ug/L	5	1.59	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	104%		
D102314ALCS	D102314ALCS	ORG 87-68-3	Hexachlorobutadiene	45		ug/L	5	0.65	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	90%		
D102314ALCS	D102314ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	90%		
D102314ALCS	D102314ALCS	ORG 91-20-3	Naphthalene	49		ug/L	5	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	98%		
D102314ALCS	D102314ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	98%		
D102314ALCS	D102314ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	98%		
D102314ALCS	D102314ALCS	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	90%		
D102314ALCS	D102314ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	94%		
D102314ALCS	D102314ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5068	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102314ALCD	D102314ALCD	ORG 75-71-8	Dichlorodifluoromethane	50		ug/L	5	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	100%	11%	
D102314ALCD	D102314ALCD	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	88%	7%	
D102314ALCD	D102314ALCD	ORG 75-01-4	Vinyl chloride	53		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	106%	12%	
D102314ALCD	D102314ALCD	ORG 74-83-9	Bromomethane	50		ug/L	5	0.50	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	100%	2%	
D102314ALCD	D102314ALCD	ORG 75-00-3	Chloroethane	45		ug/L	5	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	90%	20%	
D102314ALCD	D102314ALCD	ORG 75-69-4	Trichlorofluoromethane	95		ug/L	5	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	190%	15%	
D102314ALCD	D102314ALCD	ORG 75-35-4	1,1-Dichloroethene	45		ug/L	1	0.47	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	90%	7%	
D102314ALCD	D102314ALCD	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	90%	2%	
D102314ALCD	D102314ALCD	ORG 67-64-1	Acetone	55		ug/L	10	1.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	110%	18%	
D102314ALCD	D102314ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	94%	2%	
D102314ALCD	D102314ALCD	ORG 1634-04-4	MTBE	47		ug/L	5	0.61	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	94%	8%	
D102314ALCD	D102314ALCD	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	92%	2%	
D102314ALCD	D102314ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	104%	2%	
D102314ALCD	D102314ALCD	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	96%	2%	
D102314ALCD	D102314ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	92%	0%	
D102314ALCD	D102314ALCD	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	96%	2%	
D102314ALCD	D102314ALCD	ORG 78-93-3	2-Butanone	49		ug/L	1	0.81	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	98%	2%	
D102314ALCD	D102314ALCD	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	98%	2%	
D102314ALCD	D102314ALCD	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	100%	2%	
D102314ALCD	D102314ALCD	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	90%	0%	
D102314ALCD	D102314ALCD	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	98%	2%	
D102314ALCD	D102314ALCD	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	96%	0%	
D102314ALCD	D102314ALCD	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	100%	0%	
D102314ALCD	D102314ALCD	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	92%	0%	
D102314ALCD	D102314ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	108%	0%	
D102314ALCD	D102314ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	92%	0%	
D102314ALCD	D102314ALCD	ORG 108-10-1	4-Methyl-2-pentanone	51		ug/L	5	0.74	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	102%	9%	
D102314ALCD	D102314ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	110%	0%	
D102314ALCD	D102314ALCD	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	90%	2%	
D102314ALCD	D102314ALCD	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	90%	0%	
D102314ALCD	D102314ALCD	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	98%	2%	
D102314ALCD	D102314ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	100%	4%	
D102314ALCD	D102314ALCD	ORG 591-78-6	2-Hexanone	43		ug/L	2	0.69	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	86%	17%	
D102314ALCD	D102314ALCD	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	110%	2%	
D102314ALCD	D102314ALCD	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	96%	0%	
D102314ALCD	D102314ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	100%	2%	
D102314ALCD	D102314ALCD	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	100	120%	9%	
D102314ALCD	D102314ALCD	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	102%	2%	
D102314ALCD	D102314ALCD	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	102%	2%	
D102314ALCD	D102314ALCD	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	96%	6%	
D102314ALCD	D102314ALCD	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	108%	2%	
D102314ALCD	D102314ALCD	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	116%	4%	
D102314ALCD	D102314ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	92%	2%	

Confidential
D102314AKCF

D102314AKCF



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102314ALCD	D102314ALCD	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	90%	2%	
D102314ALCD	D102314ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	104%	4%	
D102314ALCD	D102314ALCD	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	108%	4%	
D102314ALCD	D102314ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	106%	4%	
D102314ALCD	D102314ALCD	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	108%	6%	
D102314ALCD	D102314ALCD	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	108%	4%	
D102314ALCD	D102314ALCD	ORG 99-87-6	p-Isopropyltoluene	54		ug/L	2	0.25	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	108%	6%	
D102314ALCD	D102314ALCD	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	100%	2%	
D102314ALCD	D102314ALCD	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	106%	2%	
D102314ALCD	D102314ALCD	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	108%	8%	
D102314ALCD	D102314ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	46		ug/L	5	1.59	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	92%	12%	
D102314ALCD	D102314ALCD	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	94%	4%	
D102314ALCD	D102314ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	88%	2%	
D102314ALCD	D102314ALCD	ORG 91-20-3	Naphthalene	45		ug/L	5	0.56	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	90%	9%	
D102314ALCD	D102314ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	98%	0%	
D102314ALCD	D102314ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	98%	0%	
D102314ALCD	D102314ALCD	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	92%	2%	
D102314ALCD	D102314ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	94%	0%	
D102314ALCD	D102314ALCD	STD 460-00-4	Bromofluorobenzene	50		ug/L	1	0.10	NA	10/23/2014	10/23/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5072	50	100%	2%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1722MS	T1-045	ORG 75-71-8	Dichlorodifluoromethane	4900		ug/L	500	29.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	98%		
NAL13026-1722MS	T1-045	ORG 74-87-3	Chloromethane	4300		ug/L	500	43.07	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	86%		
NAL13026-1722MS	T1-045	ORG 75-01-4	Vinyl chloride	4900		ug/L	200	31.86	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	98%		
NAL13026-1722MS	T1-045	ORG 74-83-9	Bromomethane	4000		ug/L	500	50.04	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	80%		
NAL13026-1722MS	T1-045	ORG 75-00-3	Chloroethane	4000		ug/L	500	55.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	80%		
NAL13026-1722MS	T1-045	ORG 75-69-4	Trichlorofluoromethane	6800		ug/L	500	19.65	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	136%		
NAL13026-1722MS	T1-045	ORG 75-35-4	1,1-Dichloroethene	4200		ug/L	100	47.11	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	84%		
NAL13026-1722MS	T1-045	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	88%		
NAL13026-1722MS	T1-045	ORG 67-64-1	Acetone	81000		ug/L	1000	155.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	-60%		84000
NAL13026-1722MS	T1-045	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	92%		
NAL13026-1722MS	T1-045	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	98%		
NAL13026-1722MS	T1-045	ORG 75-34-3	1,1-Dichloroethane	4400		ug/L	100	52.66	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	88%		
NAL13026-1722MS	T1-045	ORG 156-59-2	cis-1,2-Dichloroethene	5300		ug/L	100	32.11	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	106%		
NAL13026-1722MS	T1-045	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	94%		
NAL13026-1722MS	T1-045	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	90%		
NAL13026-1722MS	T1-045	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	96%		
NAL13026-1722MS	T1-045	ORG 78-93-3	2-Butanone	19000		ug/L	100	81.18	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	120%		13000
NAL13026-1722MS	T1-045	ORG 56-23-5	Carbon tetrachloride	4800		ug/L	100	27.64	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	96%		
NAL13026-1722MS	T1-045	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	98%		
NAL13026-1722MS	T1-045	ORG 107-06-2	1,2-Dichloroethane	4400		ug/L	100	20.01	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	88%		
NAL13026-1722MS	T1-045	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	98%		
NAL13026-1722MS	T1-045	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	100%		
NAL13026-1722MS	T1-045	ORG 78-87-5	1,2-Dichloropropane	5200		ug/L	100	18.17	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	104%		
NAL13026-1722MS	T1-045	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	92%		
NAL13026-1722MS	T1-045	ORG 10061-01-5	cis-1,3-Dichloropropene	5600		ug/L	100	25.01	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	112%		
NAL13026-1722MS	T1-045	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	94%		
NAL13026-1722MS	T1-045	ORG 108-10-1	4-Methyl-2-pentanone	5500		ug/L	500	74.00	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	107%		160
NAL13026-1722MS	T1-045	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	112%		
NAL13026-1722MS	T1-045	ORG 127-18-4	Tetrachloroethene	4700		ug/L	100	48.56	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	94%		
NAL13026-1722MS	T1-045	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	92%		
NAL13026-1722MS	T1-045	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	100%		
NAL13026-1722MS	T1-045	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	104%		
NAL13026-1722MS	T1-045	ORG 591-78-6	2-Hexanone	3600		ug/L	200	68.90	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	70%		110
NAL13026-1722MS	T1-045	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	108%		
NAL13026-1722MS	T1-045	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	96%		
NAL13026-1722MS	T1-045	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	100%		
NAL13026-1722MS	T1-045	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	10000	110%		
NAL13026-1722MS	T1-045	ORG 95-47-6	o-Xylene	5200		ug/L	100	12.90	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	104%		
NAL13026-1722MS	T1-045	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	102%		
NAL13026-1722MS	T1-045	ORG 75-25-2	Bromoform	5000		ug/L	200	46.83	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	100%		
NAL13026-1722MS	T1-045	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	108%		
NAL13026-1722MS	T1-045	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	114%		
NAL13026-1722MS	T1-045	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	94%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1722MS	T1-045	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	92%		
NAL13026-1722MS	T1-045	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	102%		
NAL13026-1722MS	T1-045	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	106%		
NAL13026-1722MS	T1-045	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	103%		75
NAL13026-1722MS	T1-045	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	106%		
NAL13026-1722MS	T1-045	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	106%		
NAL13026-1722MS	T1-045	ORG 99-87-6	p-Isopropyltoluene	5600		ug/L	200	25.48	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	104%		400
NAL13026-1722MS	T1-045	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	99%		160
NAL13026-1722MS	T1-045	ORG 95-50-1	1,2-Dichlorobenzene	5500		ug/L	200	26.38	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	110%		
NAL13026-1722MS	T1-045	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	107%		43
NAL13026-1722MS	T1-045	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5900		ug/L	500	159.11	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	118%		
NAL13026-1722MS	T1-045	ORG 87-68-3	Hexachlorobutadiene	4800		ug/L	500	65.42	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	96%		
NAL13026-1722MS	T1-045	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	98%		
NAL13026-1722MS	T1-045	ORG 91-20-3	Naphthalene	5800		ug/L	500	56.04	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	109%		340
NAL13026-1722MS	T1-045	ORG 87-61-6	1,2,3-Trichlorobenzene	5100		ug/L	500	23.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	5000	102%		
NAL13026-1722MS	T1-045	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	50	96%		
NAL13026-1722MS	T1-045	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	50	90%		
NAL13026-1722MS	T1-045	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	50	96%		
NAL13026-1722MS	T1-045	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5073	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1722MSD	T1-045	ORG 75-71-8	Dichlorodifluoromethane	4700		ug/L	500	29.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	94%	4%	
NAL13026-1722MSD	T1-045	ORG 74-87-3	Chloromethane	4300		ug/L	500	43.07	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	86%	0%	
NAL13026-1722MSD	T1-045	ORG 75-01-4	Vinyl chloride	4800		ug/L	200	31.86	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	96%	2%	
NAL13026-1722MSD	T1-045	ORG 74-83-9	Bromomethane	3400		ug/L	500	50.04	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	68%	16%	
NAL13026-1722MSD	T1-045	ORG 75-00-3	Chloroethane	3700		ug/L	500	55.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	74%	8%	
NAL13026-1722MSD	T1-045	ORG 75-69-4	Trichlorofluoromethane	7100		ug/L	500	19.65	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	142%	4%	
NAL13026-1722MSD	T1-045	ORG 75-35-4	1,1-Dichloroethene	4700		ug/L	100	47.11	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	94%	11%	
NAL13026-1722MSD	T1-045	ORG 75-09-2	Methylene chloride	4300		ug/L	500	26.46	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	86%	2%	
NAL13026-1722MSD	T1-045	ORG 67-64-1	Acetone	81000		ug/L	1000	155.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	-60%	0%	84000
NAL13026-1722MSD	T1-045	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	92%	0%	
NAL13026-1722MSD	T1-045	ORG 1634-04-4	MTBE	5100		ug/L	500	61.18	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	102%	4%	
NAL13026-1722MSD	T1-045	ORG 75-34-3	1,1-Dichloroethane	4400		ug/L	100	52.66	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	88%	0%	
NAL13026-1722MSD	T1-045	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	108%	2%	
NAL13026-1722MSD	T1-045	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	94%	0%	
NAL13026-1722MSD	T1-045	ORG 67-66-3	Chloroform	4400		ug/L	200	15.73	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	88%	2%	
NAL13026-1722MSD	T1-045	ORG 71-55-6	1,1,1-Trichloroethane	4700		ug/L	100	16.65	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	94%	2%	
NAL13026-1722MSD	T1-045	ORG 78-93-3	2-Butanone	18000		ug/L	100	81.18	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	100%	5%	13000
NAL13026-1722MSD	T1-045	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	98%	2%	
NAL13026-1722MSD	T1-045	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	98%	0%	
NAL13026-1722MSD	T1-045	ORG 107-06-2	1,2-Dichloroethane	4400		ug/L	100	20.01	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	88%	0%	
NAL13026-1722MSD	T1-045	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	98%	0%	
NAL13026-1722MSD	T1-045	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	100%	0%	
NAL13026-1722MSD	T1-045	ORG 78-87-5	1,2-Dichloropropane	5100		ug/L	100	18.17	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	102%	2%	
NAL13026-1722MSD	T1-045	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	92%	0%	
NAL13026-1722MSD	T1-045	ORG 10061-01-5	cis-1,3-Dichloropropene	5500		ug/L	100	25.01	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	110%	2%	
NAL13026-1722MSD	T1-045	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	92%	2%	
NAL13026-1722MSD	T1-045	ORG 108-10-1	4-Methyl-2-pentanone	5300		ug/L	500	74.00	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	103%	4%	160
NAL13026-1722MSD	T1-045	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	110%	2%	
NAL13026-1722MSD	T1-045	ORG 127-18-4	Tetrachloroethene	4900		ug/L	100	48.56	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	98%	4%	
NAL13026-1722MSD	T1-045	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	90%	2%	
NAL13026-1722MSD	T1-045	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	98%	2%	
NAL13026-1722MSD	T1-045	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	104%	0%	
NAL13026-1722MSD	T1-045	ORG 591-78-6	2-Hexanone	3200		ug/L	200	68.90	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	62%	12%	110
NAL13026-1722MSD	T1-045	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	108%	0%	
NAL13026-1722MSD	T1-045	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	94%	2%	
NAL13026-1722MSD	T1-045	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	100%	0%	
NAL13026-1722MSD	T1-045	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	10000	110%	0%	
NAL13026-1722MSD	T1-045	ORG 95-47-6	o-Xylene	5200		ug/L	100	12.90	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	104%	0%	
NAL13026-1722MSD	T1-045	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	102%	0%	
NAL13026-1722MSD	T1-045	ORG 75-25-2	Bromoform	5000		ug/L	200	46.83	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	100%	0%	
NAL13026-1722MSD	T1-045	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	108%	0%	
NAL13026-1722MSD	T1-045	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	114%	0%	
NAL13026-1722MSD	T1-045	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29.16	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	92%	2%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1722MSD	T1-045	ORG 96-18-4	1,2,3-Trichloropropane	4500		ug/L	200	29.47	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	90%	2%	
NAL13026-1722MSD	T1-045	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	102%	0%	
NAL13026-1722MSD	T1-045	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	104%	2%	
NAL13026-1722MSD	T1-045	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	103%	0%	75
NAL13026-1722MSD	T1-045	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	106%	0%	
NAL13026-1722MSD	T1-045	ORG 541-73-1	1,3-Dichlorobenzene	5400		ug/L	200	22.21	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	108%	2%	
NAL13026-1722MSD	T1-045	ORG 99-87-6	p-Isopropyltoluene	5500		ug/L	200	25.48	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	102%	2%	400
NAL13026-1722MSD	T1-045	ORG 106-46-7	1,4-Dichlorobenzene	5000		ug/L	200	33.03	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	97%	2%	160
NAL13026-1722MSD	T1-045	ORG 95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	108%	2%	
NAL13026-1722MSD	T1-045	ORG 104-51-8	n-Butylbenzene	5300		ug/L	500	27.81	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	105%	2%	43
NAL13026-1722MSD	T1-045	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5900		ug/L	500	159.11	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	118%	0%	
NAL13026-1722MSD	T1-045	ORG 87-68-3	Hexachlorobutadiene	4800		ug/L	500	65.42	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	96%	0%	
NAL13026-1722MSD	T1-045	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	98%	0%	
NAL13026-1722MSD	T1-045	ORG 91-20-3	Naphthalene	5900		ug/L	500	56.04	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	111%	2%	340
NAL13026-1722MSD	T1-045	ORG 87-61-6	1,2,3-Trichlorobenzene	5100		ug/L	500	23.28	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	5000	102%	0%	
NAL13026-1722MSD	T1-045	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	50	98%	2%	
NAL13026-1722MSD	T1-045	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	50	90%	0%	
NAL13026-1722MSD	T1-045	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	50	96%	0%	
NAL13026-1722MSD	T1-045	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/23/2014	10/23/2014	10/23/2014	WG	100	NA	5.0	NA	SW8260B	NALD5074	50	104%	2%	

October 27, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

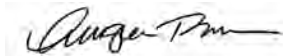
RE: Project: BRIDGETON LF T1-041
Pace Project No.: 60180736

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180736001	T1-041	Water	10/19/14 06:44	10/20/14 13:07
60180736002	TRIP BLANK	Water	10/19/14 06:44	10/20/14 13:07

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180736001	T1-041	EPA 200.7	JGP, TDS	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	JML	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180736002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

Sample: T1-041	Lab ID: 60180736001	Collected: 10/19/14 06:44	Received: 10/20/14 13:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	5280 ug/L		375	1	10/22/14 14:30	10/23/14 11:51	7429-90-5	
Antimony	ND ug/L		50.0	1	10/22/14 14:30	10/23/14 11:51	7440-36-0	
Arsenic	441 ug/L		50.0	1	10/22/14 14:30	10/24/14 08:07	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/22/14 14:30	10/23/14 11:51	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/22/14 14:30	10/24/14 08:07	7440-43-9	
Chromium	137 ug/L		25.0	1	10/22/14 14:30	10/23/14 11:51	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/22/14 14:30	10/23/14 11:51	7440-48-4	
Copper	ND ug/L		50.0	1	10/22/14 14:30	10/23/14 11:51	7440-50-8	
Iron	36900 ug/L		250	1	10/22/14 14:30	10/23/14 11:51	7439-89-6	
Lead	64.9 ug/L		25.0	1	10/22/14 14:30	10/23/14 11:51	7439-92-1	
Nickel	77.3 ug/L		25.0	1	10/22/14 14:30	10/23/14 11:51	7440-02-0	
Selenium	ND ug/L		75.0	1	10/22/14 14:30	10/23/14 11:51	7782-49-2	
Silver	ND ug/L		35.0	1	10/22/14 14:30	10/23/14 11:51	7440-22-4	
Thallium	ND ug/L		100	1	10/22/14 14:30	10/23/14 11:51	7440-28-0	
Zinc	2740 ug/L		250	1	10/22/14 14:30	10/23/14 11:51	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/21/14 15:00	10/22/14 10:44	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/21/14 15:00	10/22/14 10:44	7440-36-0	
Arsenic, Dissolved	234 ug/L		50.0	1	10/21/14 15:00	10/22/14 10:44	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/21/14 15:00	10/22/14 10:44	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/21/14 15:00	10/22/14 10:44	7440-43-9	
Chromium, Dissolved	47.5 ug/L		25.0	1	10/21/14 15:00	10/22/14 10:44	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/21/14 15:00	10/22/14 10:44	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/21/14 15:00	10/22/14 10:44	7440-50-8	
Iron, Dissolved	29500 ug/L		250	1	10/21/14 15:00	10/22/14 10:44	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/21/14 15:00	10/22/14 10:44	7439-92-1	
Nickel, Dissolved	41.6 ug/L		25.0	1	10/21/14 15:00	10/22/14 10:44	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/21/14 15:00	10/22/14 10:44	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/21/14 15:00	10/22/14 10:44	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/21/14 15:00	10/22/14 10:44	7440-28-0	
Zinc, Dissolved	391 ug/L		250	1	10/21/14 15:00	10/22/14 10:44	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	10/21/14 13:45	10/22/14 09:43	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/23/14 08:50	10/23/14 13:20	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/22/14 00:00	10/24/14 11:19	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:19	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:19	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:19	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/22/14 00:00	10/24/14 11:19	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2160 ug/L		2000	1	10/22/14 00:00	10/24/14 11:19		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

Sample: T1-041	Lab ID: 60180736001	Collected: 10/19/14 06:44	Received: 10/20/14 13:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:19	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:19	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:19	87-86-5	L3,M0
Phenol	2970 ug/L		500	1	10/22/14 00:00	10/24/14 11:19	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:19	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:19	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	98 %		33-120	1	10/22/14 00:00	10/24/14 11:19	4165-60-0	
2-Fluorobiphenyl (S)	83 %		39-120	1	10/22/14 00:00	10/24/14 11:19	321-60-8	
Terphenyl-d14 (S)	84 %		45-120	1	10/22/14 00:00	10/24/14 11:19	1718-51-0	
Phenol-d6 (S)	29 %		11-120	1	10/22/14 00:00	10/24/14 11:19	13127-88-3	
2-Fluorophenol (S)	37 %		17-120	1	10/22/14 00:00	10/24/14 11:19	367-12-4	
2,4,6-Tribromophenol (S)	70 %		39-120	1	10/22/14 00:00	10/24/14 11:19	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	76900 ug/L		1000	100		10/21/14 21:11	67-64-1	N2
Benzene	ND ug/L		100	100		10/21/14 21:11	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/21/14 21:11	75-27-4	
Bromoform	ND ug/L		100	100		10/21/14 21:11	75-25-2	
Bromomethane	ND ug/L		500	100		10/21/14 21:11	74-83-9	
2-Butanone (MEK)	38200 ug/L		1000	100		10/21/14 21:11	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/21/14 21:11	56-23-5	
Chloroethane	ND ug/L		100	100		10/21/14 21:11	75-00-3	
Chloroform	ND ug/L		100	100		10/21/14 21:11	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/21/14 21:11	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/21/14 21:11	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/21/14 21:11	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/21/14 21:11	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/21/14 21:11	100-41-4	
Methylene chloride	ND ug/L		100	100		10/21/14 21:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/21/14 21:11	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/21/14 21:11	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/21/14 21:11	127-18-4	
Toluene	ND ug/L		100	100		10/21/14 21:11	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/21/14 21:11	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/21/14 21:11	79-00-5	
Trichloroethene	ND ug/L		100	100		10/21/14 21:11	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/21/14 21:11	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/21/14 21:11	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	101 %		80-120	100		10/21/14 21:11	460-00-4	
Toluene-d8 (S)	100 %		80-120	100		10/21/14 21:11	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	100		10/21/14 21:11	17060-07-0	
Preservation pH	6.0		1.0	100		10/21/14 21:11		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	209 mg/L		5.0	1		10/22/14 15:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

Sample: T1-041		Lab ID: 60180736001	Collected: 10/19/14 06:44	Received: 10/20/14 13:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/22/14 15:10		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	3940	mg/L	5.0	1		10/23/14 14:13		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.1	Std. Units	0.10	1		10/21/14 14:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	15800	mg/L	2.0	1	10/20/14 16:22	10/25/14 11:29		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	151	mg/L	10.0	100		10/23/14 10:55	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	20000	mg/L	2500	250		10/24/14 05:59		M1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

Sample: TRIP BLANK		Lab ID: 60180736002	Collected: 10/19/14 06:44	Received: 10/20/14 13:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/21/14 21:39	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/21/14 21:39	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/21/14 21:39	75-27-4	
Bromoform	ND ug/L		1.0	1		10/21/14 21:39	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/21/14 21:39	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/21/14 21:39	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/21/14 21:39	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/21/14 21:39	75-00-3	
Chloroform	ND ug/L		1.0	1		10/21/14 21:39	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/21/14 21:39	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/21/14 21:39	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/21/14 21:39	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/21/14 21:39	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/21/14 21:39	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/21/14 21:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/21/14 21:39	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/21/14 21:39	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/21/14 21:39	127-18-4	
Toluene	ND ug/L		1.0	1		10/21/14 21:39	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/21/14 21:39	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/21/14 21:39	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/21/14 21:39	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/21/14 21:39	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/21/14 21:39	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	101 %		80-120	1		10/21/14 21:39	460-00-4	
Toluene-d8 (S)	96 %		80-120	1		10/21/14 21:39	2037-26-5	
1,2-Dichloroethane-d4 (S)	105 %		80-120	1		10/21/14 21:39	17060-07-0	
Preservation pH	6.0		1.0	1		10/21/14 21:39		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch:	MERP/8934	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
Associated Lab Samples:	60180736001		

METHOD BLANK: 1464091 Matrix: Water
Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/22/14 09:30	

LABORATORY CONTROL SAMPLE: 1464092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1464093 1464094

Parameter	Units	60180736001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	150	150	83.1	85.2	53	54	70-130	2	20	M1

MATRIX SPIKE SAMPLE: 1464095

Parameter	Units	60180690002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.7	93	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch: MERP/8940

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60180736001

METHOD BLANK: 1465000

Matrix: Water

Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/23/14 13:05	

LABORATORY CONTROL SAMPLE: 1465001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1465002 1465003

Parameter	Units	60180667001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury, Dissolved	ug/L	ND	150	150	90.3	88.5	60	59	70-130	2	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041
Pace Project No.: 60180736

QC Batch: MPRP/29440 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 60180736001

METHOD BLANK: 1465261 Matrix: Water
Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/23/14 11:31	
Antimony	ug/L	ND	10.0	10/23/14 11:31	
Arsenic	ug/L	ND	10.0	10/24/14 07:44	
Beryllium	ug/L	ND	1.0	10/23/14 11:31	
Cadmium	ug/L	ND	5.0	10/24/14 07:44	
Chromium	ug/L	ND	5.0	10/23/14 11:31	
Cobalt	ug/L	ND	5.0	10/23/14 11:31	
Copper	ug/L	ND	10.0	10/23/14 11:31	
Iron	ug/L	ND	50.0	10/23/14 11:31	
Lead	ug/L	ND	5.0	10/23/14 11:31	
Nickel	ug/L	ND	5.0	10/23/14 11:31	
Selenium	ug/L	ND	15.0	10/23/14 11:31	
Silver	ug/L	ND	7.0	10/23/14 11:31	
Thallium	ug/L	ND	20.0	10/23/14 11:31	
Zinc	ug/L	ND	50.0	10/23/14 11:31	

LABORATORY CONTROL SAMPLE: 1465262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	85-115	
Antimony	ug/L	1000	989	99	85-115	
Arsenic	ug/L	1000	982	98	85-115	
Beryllium	ug/L	1000	1010	101	85-115	
Cadmium	ug/L	1000	1000	100	85-115	
Chromium	ug/L	1000	1050	105	85-115	
Cobalt	ug/L	1000	959	96	85-115	
Copper	ug/L	1000	1030	103	85-115	
Iron	ug/L	10000	9710	97	85-115	
Lead	ug/L	1000	972	97	85-115	
Nickel	ug/L	1000	1000	100	85-115	
Selenium	ug/L	1000	944	94	85-115	
Silver	ug/L	500	518	104	85-115	
Thallium	ug/L	1000	905	91	85-115	
Zinc	ug/L	1000	919	92	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1465263												1465264	
Parameter	Units	60180524001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD			
Aluminum	ug/L	241	10000	10000	10500	10400	103	102	70-130	1	8		
Antimony	ug/L	ND	1000	1000	1000	996	100	100	70-130	1	7		
Arsenic	ug/L	ND	1000	1000	993	1000	99	100	70-130	1	10		
Beryllium	ug/L	ND	1000	1000	1010	1010	101	101	70-130	1	7		
Cadmium	ug/L	ND	1000	1000	991	999	99	100	70-130	1	10		
Chromium	ug/L	ND	1000	1000	1040	1030	104	103	70-130	1	10		
Cobalt	ug/L	ND	1000	1000	949	945	95	94	70-130	0	6		
Copper	ug/L	ND	1000	1000	1050	1040	105	104	70-130	1	11		
Iron	ug/L	277	10000	10000	9920	9920	96	96	70-130	0	10		
Lead	ug/L	ND	1000	1000	971	960	97	96	70-130	1	10		
Nickel	ug/L	ND	1000	1000	989	981	99	98	70-130	1	10		
Selenium	ug/L	ND	1000	1000	967	964	97	96	70-130	0	10		
Silver	ug/L	ND	500	500	522	515	104	103	70-130	1	10		
Thallium	ug/L	ND	1000	1000	906	899	90	90	70-130	1	6		
Zinc	ug/L	ND	1000	1000	924	916	91	90	70-130	1	11		

MATRIX SPIKE SAMPLE: 1465265		40105366002	Spike	MS	MS	% Rec		
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
Aluminum	ug/L	7790	10000	22400	147	70-130	M1	
Antimony	ug/L	<10.0	1000	960	96	70-130		
Arsenic	ug/L	<10.0	1000	997	99	70-130		
Beryllium	ug/L	<1.0	1000	996	100	70-130		
Cadmium	ug/L	<5.0	1000	999	100	70-130		
Chromium	ug/L	9.8	1000	1050	104	70-130		
Cobalt	ug/L	5.7	1000	920	91	70-130		
Copper	ug/L	11.3	1000	1050	104	70-130		
Iron	ug/L	5500	10000	16100	106	70-130		
Lead	ug/L	8.3	1000	937	93	70-130		
Nickel	ug/L	25.2	1000	977	95	70-130		
Selenium	ug/L	<15.0	1000	933	93	70-130		
Silver	ug/L	<7.0	500	524	104	70-130		
Thallium	ug/L	<20.0	1000	851	85	70-130		
Zinc	ug/L	<50.0	1000	888	87	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch: MPRP/29419

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180736001

METHOD BLANK: 1464448

Matrix: Water

Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/22/14 10:28	
Antimony, Dissolved	ug/L	ND	10.0	10/22/14 10:28	
Arsenic, Dissolved	ug/L	ND	10.0	10/22/14 10:28	
Beryllium, Dissolved	ug/L	ND	1.0	10/22/14 10:28	
Cadmium, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Chromium, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Cobalt, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Copper, Dissolved	ug/L	ND	10.0	10/22/14 10:28	
Iron, Dissolved	ug/L	ND	50.0	10/22/14 10:28	
Lead, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Nickel, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Selenium, Dissolved	ug/L	ND	15.0	10/22/14 10:28	
Silver, Dissolved	ug/L	ND	7.0	10/22/14 10:28	
Thallium, Dissolved	ug/L	ND	20.0	10/22/14 10:28	
Zinc, Dissolved	ug/L	ND	50.0	10/22/14 10:28	

LABORATORY CONTROL SAMPLE: 1464449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9660	97	85-115	
Antimony, Dissolved	ug/L	1000	1000	100	85-115	
Arsenic, Dissolved	ug/L	1000	980	98	85-115	
Beryllium, Dissolved	ug/L	1000	964	96	85-115	
Cadmium, Dissolved	ug/L	1000	990	99	85-115	
Chromium, Dissolved	ug/L	1000	959	96	85-115	
Cobalt, Dissolved	ug/L	1000	1020	102	85-115	
Copper, Dissolved	ug/L	1000	968	97	85-115	
Iron, Dissolved	ug/L	10000	9840	98	85-115	
Lead, Dissolved	ug/L	1000	979	98	85-115	
Nickel, Dissolved	ug/L	1000	1010	101	85-115	
Selenium, Dissolved	ug/L	1000	963	96	85-115	
Silver, Dissolved	ug/L	500	483	97	85-115	
Thallium, Dissolved	ug/L	1000	1000	100	85-115	
Zinc, Dissolved	ug/L	1000	986	99	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1464450		1464451									
Parameter	Units	40105039002	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
		Result	Spike	Spike	Result	Result	% Rec	% Rec	Limits				
Aluminum, Dissolved	ug/L	<75.0	10000	10000	9510	9590	95	96	70-130	1	8		
Antimony, Dissolved	ug/L	<10.0	1000	1000	1010	1020	101	102	70-130	1	7		
Arsenic, Dissolved	ug/L	<10.0	1000	1000	988	1000	99	100	70-130	1	10		
Beryllium, Dissolved	ug/L	<1.0	1000	1000	950	957	95	96	70-130	1	7		
Cadmium, Dissolved	ug/L	<5.0	1000	1000	990	999	99	100	70-130	1	10		
Chromium, Dissolved	ug/L	<5.0	1000	1000	930	940	93	94	70-130	1	10		
Cobalt, Dissolved	ug/L	<5.0	1000	1000	988	996	99	99	70-130	1	6		
Copper, Dissolved	ug/L	<10.0	1000	1000	971	977	97	97	70-130	1	11		
Iron, Dissolved	ug/L	<50.0	10000	10000	9640	9690	96	97	70-130	0	10		
Lead, Dissolved	ug/L	<5.0	1000	1000	946	957	94	95	70-130	1	10		
Nickel, Dissolved	ug/L	14.6	1000	1000	987	994	97	98	70-130	1	10		
Selenium, Dissolved	ug/L	<15.0	1000	1000	959	974	96	97	70-130	2	10		
Silver, Dissolved	ug/L	<7.0	500	500	480	485	96	97	70-130	1	10		
Thallium, Dissolved	ug/L	<20.0	1000	1000	974	983	97	98	70-130	1	6		
Zinc, Dissolved	ug/L	<50.0	1000	1000	945	952	94	95	70-130	1	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch: MSV/65249 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60180736001, 60180736002

METHOD BLANK: 1464531 Matrix: Water

Associated Lab Samples: 60180736001, 60180736002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/21/14 19:18	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/21/14 19:18	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/21/14 19:18	
1,2-Dichloroethane	ug/L	ND	1.0	10/21/14 19:18	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/21/14 19:18	
2-Butanone (MEK)	ug/L	ND	10.0	10/21/14 19:18	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/21/14 19:18	N2
Acetone	ug/L	ND	10.0	10/21/14 19:18	N2
Benzene	ug/L	ND	1.0	10/21/14 19:18	
Bromodichloromethane	ug/L	ND	1.0	10/21/14 19:18	
Bromoform	ug/L	ND	1.0	10/21/14 19:18	
Bromomethane	ug/L	ND	5.0	10/21/14 19:18	
Carbon tetrachloride	ug/L	ND	1.0	10/21/14 19:18	
Chloroethane	ug/L	ND	1.0	10/21/14 19:18	
Chloroform	ug/L	ND	1.0	10/21/14 19:18	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/21/14 19:18	N2
Ethylbenzene	ug/L	ND	1.0	10/21/14 19:18	
Methylene chloride	ug/L	ND	1.0	10/21/14 19:18	
Tetrachloroethene	ug/L	ND	1.0	10/21/14 19:18	
Toluene	ug/L	ND	1.0	10/21/14 19:18	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/21/14 19:18	
Trichloroethene	ug/L	ND	1.0	10/21/14 19:18	
Vinyl chloride	ug/L	ND	1.0	10/21/14 19:18	
Xylene (Total)	ug/L	ND	3.0	10/21/14 19:18	N2
1,2-Dichloroethane-d4 (S)	%	103	80-120	10/21/14 19:18	
4-Bromofluorobenzene (S)	%	105	80-120	10/21/14 19:18	
Toluene-d8 (S)	%	98	80-120	10/21/14 19:18	

LABORATORY CONTROL SAMPLE: 1464532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.9	104	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	102	67-127	N2
1,1,2-Trichloroethane	ug/L	20	21.6	108	67-124	
1,2-Dichloroethane	ug/L	20	21.9	110	70-126	
1,4-Dichlorobenzene	ug/L	20	23.0	115	74-120	
2-Butanone (MEK)	ug/L	100	92.0	92	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	59-131	N2
Acetone	ug/L	100	87.8	88	38-134	N2
Benzene	ug/L	20	21.4	107	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

LABORATORY CONTROL SAMPLE: 1464532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.8	109	68-125	
Bromoform	ug/L	20	21.7	109	65-127	
Bromomethane	ug/L	20	21.8	109	13-157	
Carbon tetrachloride	ug/L	20	21.6	108	70-131	
Chloroethane	ug/L	20	20.3	102	47-133	
Chloroform	ug/L	20	21.4	107	65-127	
cis-1,2-Dichloroethene	ug/L	20	21.2	106	68-127	N2
Ethylbenzene	ug/L	20	22.8	114	74-122	
Methylene chloride	ug/L	20	18.1	90	64-129	
Tetrachloroethene	ug/L	20	22.4	112	73-125	
Toluene	ug/L	20	21.3	107	69-126	
trans-1,2-Dichloroethene	ug/L	20	19.6	98	66-129	
Trichloroethene	ug/L	20	21.5	107	71-123	
Vinyl chloride	ug/L	20	22.0	110	43-129	
Xylene (Total)	ug/L	60	69.2	115	75-121	N2
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			100	80-120	
Toluene-d8 (S)	%			98	80-120	

MATRIX SPIKE SAMPLE: 1464533

Parameter	Units	60180737001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2170	109	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2110	106	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2030	101	52-143	
1,2-Dichloroethane	ug/L	ND	2000	2050	102	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2230	109	33-140	
2-Butanone (MEK)	ug/L	24300	10000	33700	94	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	10200	100	40-160	N2
Acetone	ug/L	55500	10000	63800	83	10-160	N2
Benzene	ug/L	ND	2000	2140	107	37-151	
Bromodichloromethane	ug/L	ND	2000	2110	106	35-142	
Bromoform	ug/L	ND	2000	2050	103	45-142	
Bromomethane	ug/L	ND	2000	2130	106	10-158	
Carbon tetrachloride	ug/L	ND	2000	2310	115	70-140	
Chloroethane	ug/L	ND	2000	2080	104	19-152	
Chloroform	ug/L	ND	2000	2090	105	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2040	102	34-147	N2
Ethylbenzene	ug/L	ND	2000	2170	108	40-142	
Methylene chloride	ug/L	ND	2000	1770	88	31-144	
Tetrachloroethene	ug/L	ND	2000	2250	112	64-148	
Toluene	ug/L	ND	2000	2150	108	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	1950	98	54-151	
Trichloroethene	ug/L	ND	2000	2090	105	71-149	
Vinyl chloride	ug/L	ND	2000	2290	114	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

MATRIX SPIKE SAMPLE:		1464533					
Parameter	Units	60180737001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6820	114	37-144	N2
1,2-Dichloroethane-d4 (S)	%				101	80-120	
4-Bromofluorobenzene (S)	%				101	80-120	
Toluene-d8 (S)	%				101	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch:	OEXT/46774	Analysis Method:	EPA 625
QC Batch Method:	EPA 625	Analysis Description:	625 MSS
Associated Lab Samples:	60180736001		

METHOD BLANK: 1464846 Matrix: Water

Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/24/14 10:16	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/24/14 10:16	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/24/14 10:16	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/24/14 10:16	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/24/14 10:16	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/24/14 10:16	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/24/14 10:16	
Hexachloroethane	ug/L	ND	5.0	10/24/14 10:16	
Naphthalene	ug/L	ND	5.0	10/24/14 10:16	
Nitrobenzene	ug/L	ND	5.0	10/24/14 10:16	
Pentachlorophenol	ug/L	ND	5.0	10/24/14 10:16	
Phenol	ug/L	ND	5.0	10/24/14 10:16	
2,4,6-Tribromophenol (S)	%	60	39-120	10/24/14 10:16	
2-Fluorobiphenyl (S)	%	78	39-120	10/24/14 10:16	
2-Fluorophenol (S)	%	32	17-120	10/24/14 10:16	
Nitrobenzene-d5 (S)	%	81	33-120	10/24/14 10:16	
Phenol-d6 (S)	%	20	11-120	10/24/14 10:16	
Terphenyl-d14 (S)	%	72	45-120	10/24/14 10:16	

LABORATORY CONTROL SAMPLE: 1464847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	45.1	90	46-120	
2,4,6-Trichlorophenol	ug/L	50	52.2	104	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	34.4	69	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	31.9	64	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	51.6	103	40-133	
Hexachloro-1,3-butadiene	ug/L	50	41.7	83	44-116	
Hexachlorocyclopentadiene	ug/L	100	45.1	45	24-120	
Hexachloroethane	ug/L	50	46.1	92	43-113	
Naphthalene	ug/L	50	50.9	102	48-120	
Nitrobenzene	ug/L	50	55.8	112	48-120	
Pentachlorophenol	ug/L	50	117	233	47-120	L0
Phenol	ug/L	50	16.2	32	16-112	
2,4,6-Tribromophenol (S)	%			80	39-120	
2-Fluorobiphenyl (S)	%			101	39-120	
2-Fluorophenol (S)	%			42	17-120	
Nitrobenzene-d5 (S)	%			107	33-120	
Phenol-d6 (S)	%			28	11-120	
Terphenyl-d14 (S)	%			95	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

MATRIX SPIKE SAMPLE:		1464848					
Parameter	Units	60180736001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3850	77	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4870	97	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3260	65	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	2160	5000	4880	54	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	4730	95	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3650	73	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	4020	40	11-120	
Hexachloroethane	ug/L	ND	5000	3940	79	40-113	
Naphthalene	ug/L	ND	5000	4380	84	45-120	
Nitrobenzene	ug/L	ND	5000	5180	104	38-120	
Pentachlorophenol	ug/L	ND	5000	11900	238	43-135	M0
Phenol	ug/L	2970	5000	4180	24	13-112	
2,4,6-Tribromophenol (S)	%				73	39-120	
2-Fluorobiphenyl (S)	%				88	39-120	
2-Fluorophenol (S)	%				37	17-120	
Nitrobenzene-d5 (S)	%				104	33-120	
Phenol-d6 (S)	%				25	11-120	
Terphenyl-d14 (S)	%				85	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch: WET/51048

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60180736001

METHOD BLANK: 1464851

Matrix: Water

Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/22/14 15:02	

LABORATORY CONTROL SAMPLE: 1464852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.2	100	78-114	

MATRIX SPIKE SAMPLE: 1464853

Parameter	Units	60180455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	22.5	42.6	67.2	105	78-114	

SAMPLE DUPLICATE: 1464854

Parameter	Units	60180387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	0.74J	1.9J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch: WET/51049 Analysis Method: EPA 1664A
 QC Batch Method: EPA 1664A Analysis Description: 1664 SGT-HEM, TPH
 Associated Lab Samples: 60180736001

METHOD BLANK: 1464857 Matrix: Water
 Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/22/14 15:08	

LABORATORY CONTROL SAMPLE: 1464858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.2	116	64-132	

MATRIX SPIKE SAMPLE: 1464859

Parameter	Units	60180455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	21.3	16.8	66	64-132	

SAMPLE DUPLICATE: 1464860

Parameter	Units	60180387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	ND		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch: WET/51085

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60180736001

METHOD BLANK: 1465701

Matrix: Water

Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/23/14 14:12	

SAMPLE DUPLICATE: 1465702

Parameter	Units	60180793003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	26.0	37.0	35	10	D6

SAMPLE DUPLICATE: 1465703

Parameter	Units	60180793004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	5.0		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch: WET/51032 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180736001

SAMPLE DUPLICATE: 1464536

Parameter	Units	60180185001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.8	8.7	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch: WET/51015

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180736001

METHOD BLANK: 1463948

Matrix: Water

Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/25/14 11:15	

LABORATORY CONTROL SAMPLE: 1463949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	202	102	85-115	

SAMPLE DUPLICATE: 1463950

Parameter	Units	60180727002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	1980	1850	7	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch:	WETA/31463	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60180736001		

METHOD BLANK: 1464795 Matrix: Water
Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/23/14 10:32	

LABORATORY CONTROL SAMPLE: 1464796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	103	90-110	

MATRIX SPIKE SAMPLE: 1464797

Parameter	Units	60180608002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	17.4	20	33.7	81	90-110	M1

MATRIX SPIKE SAMPLE: 1464798

Parameter	Units	60180619004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	2.1	104	90-110	

SAMPLE DUPLICATE: 1464799

Parameter	Units	60180657001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

QC Batch:	WETA/31470	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180736001		

METHOD BLANK: 1464961 Matrix: Water
Associated Lab Samples: 60180736001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/24/14 05:57	

LABORATORY CONTROL SAMPLE: 1464962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	47.6	95	90-110	

MATRIX SPIKE SAMPLE: 1464963

Parameter	Units	60180736001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	20000	12500	29200	73	90-110	M1

MATRIX SPIKE SAMPLE: 1464965

Parameter	Units	60180432001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	13800	5000	18200	89	90-110	M1

SAMPLE DUPLICATE: 1464964

Parameter	Units	60180290001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	17.0	15.8	7	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-041

Pace Project No.: 60180736

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180736001	T1-041	EPA 200.7	MPRP/29440	EPA 200.7	ICP/22107
60180736001	T1-041	EPA 200.7	MPRP/29419	EPA 200.7	ICP/22096
60180736001	T1-041	EPA 245.1	MERP/8934	EPA 245.1	MERC/8889
60180736001	T1-041	EPA 245.1	MERP/8940	EPA 245.1	MERC/8900
60180736001	T1-041	EPA 625	OEXT/46774	EPA 625	MSSV/15052
60180736001	T1-041	EPA 624 Low	MSV/65249		
60180736002	TRIP BLANK	EPA 624 Low	MSV/65249		
60180736001	T1-041	EPA 1664A	WET/51048		
60180736001	T1-041	EPA 1664A	WET/51049		
60180736001	T1-041	SM 2540D	WET/51085		
60180736001	T1-041	SM 4500-H+B	WET/51032		
60180736001	T1-041	SM 5210B	WET/51015	SM 5210B	WET/51145
60180736001	T1-041	EPA 350.1	WETA/31463		
60180736001	T1-041	EPA 410.4	WETA/31470		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180736



60180736

Client Name: River

Courier: Fed Ex UPS USPS Client Commercial Pace Other roads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194

Type of Ice: Wet Blue None Samples received on ice, cooling process has begun. (circle one)

Cooler Temperature: 3.4

Temperature should be above freezing to 6°C

Date and initials of person examining contents: ew 10/20/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>BOD pH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial pH B13N was 6.0 added 2.5 ml. HNO3 Final pH 2.5 14. Initial pH B135 was 5.0 added 1.0 ml H2SO4 Final pH 1.5
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, <u>O&G</u> WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>ew</u>
Trip Blank present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative <u>12913-37-10</u> <u>12787-19-8</u>
Pace Trip Blank lot # (if purchased): <u>xxxx</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: [Signature]

October 27, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101


RE: Project: BRIDGETON LF T1-040
Pace Project No.: 60180737

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180737001	T1-040	Water	10/18/14 17:09	10/20/14 13:07
60180737002	TRIP BLANK	Water	10/18/14 17:09	10/20/14 13:07

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180737001	T1-040	EPA 200.7	JGP, TDS	15
		EPA 200.7	TDS	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	JML	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180737002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

Sample: T1-040	Lab ID: 60180737001	Collected: 10/18/14 17:09	Received: 10/20/14 13:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	4780 ug/L		375	1	10/22/14 14:30	10/23/14 12:29	7429-90-5	
Antimony	ND ug/L		50.0	1	10/22/14 14:30	10/23/14 12:29	7440-36-0	
Arsenic	384 ug/L		50.0	1	10/22/14 14:30	10/24/14 08:11	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/22/14 14:30	10/23/14 12:29	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/22/14 14:30	10/24/14 08:11	7440-43-9	
Chromium	116 ug/L		25.0	1	10/22/14 14:30	10/23/14 12:29	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/22/14 14:30	10/23/14 12:29	7440-48-4	
Copper	ND ug/L		50.0	1	10/22/14 14:30	10/23/14 12:29	7440-50-8	
Iron	307000 ug/L		250	1	10/22/14 14:30	10/23/14 12:29	7439-89-6	
Lead	55.1 ug/L		25.0	1	10/22/14 14:30	10/23/14 12:29	7439-92-1	
Nickel	68.0 ug/L		25.0	1	10/22/14 14:30	10/23/14 12:29	7440-02-0	
Selenium	ND ug/L		75.0	1	10/22/14 14:30	10/23/14 12:29	7782-49-2	
Silver	ND ug/L		35.0	1	10/22/14 14:30	10/23/14 12:29	7440-22-4	
Thallium	ND ug/L		100	1	10/22/14 14:30	10/23/14 12:29	7440-28-0	
Zinc	2280 ug/L		250	1	10/22/14 14:30	10/23/14 12:29	7440-66-6	
200.7 Metals, Dissolved (LF)								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum, Dissolved	ND ug/L		375	1	10/21/14 15:00	10/22/14 10:46	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/21/14 15:00	10/22/14 10:46	7440-36-0	
Arsenic, Dissolved	230 ug/L		50.0	1	10/21/14 15:00	10/22/14 10:46	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/21/14 15:00	10/22/14 10:46	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/21/14 15:00	10/22/14 10:46	7440-43-9	
Chromium, Dissolved	43.2 ug/L		25.0	1	10/21/14 15:00	10/22/14 10:46	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/21/14 15:00	10/22/14 10:46	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/21/14 15:00	10/22/14 10:46	7440-50-8	
Iron, Dissolved	41700 ug/L		250	1	10/21/14 15:00	10/22/14 10:46	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/21/14 15:00	10/22/14 10:46	7439-92-1	
Nickel, Dissolved	38.0 ug/L		25.0	1	10/21/14 15:00	10/22/14 10:46	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/21/14 15:00	10/22/14 10:46	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/21/14 15:00	10/22/14 10:46	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/21/14 15:00	10/22/14 10:46	7440-28-0	
Zinc, Dissolved	ND ug/L		250	1	10/21/14 15:00	10/22/14 10:46	7440-66-6	
245.1 Mercury								
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	6.3 ug/L		6.0	1	10/21/14 13:45	10/22/14 09:50	7439-97-6	
245.1 Mercury, Dissolved (LF)								
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury, Dissolved	ND ug/L		6.0	1	10/23/14 08:50	10/23/14 13:23	7439-97-6	
625 MSSV								
Analytical Method: EPA 625 Preparation Method: EPA 625								
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/22/14 00:00	10/24/14 11:40	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:40	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:40	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:40	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/22/14 00:00	10/24/14 11:40	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND ug/L		2000	1	10/22/14 00:00	10/24/14 11:40		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

Sample: T1-040		Lab ID: 60180737001	Collected: 10/18/14 17:09	Received: 10/20/14 13:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:40	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:40	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:40	87-86-5	L3
Phenol	2360 ug/L		500	1	10/22/14 00:00	10/24/14 11:40	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:40	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/22/14 00:00	10/24/14 11:40	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	93 %		33-120	1	10/22/14 00:00	10/24/14 11:40	4165-60-0	
2-Fluorobiphenyl (S)	80 %		39-120	1	10/22/14 00:00	10/24/14 11:40	321-60-8	
Terphenyl-d14 (S)	80 %		45-120	1	10/22/14 00:00	10/24/14 11:40	1718-51-0	
Phenol-d6 (S)	25 %		11-120	1	10/22/14 00:00	10/24/14 11:40	13127-88-3	
2-Fluorophenol (S)	33 %		17-120	1	10/22/14 00:00	10/24/14 11:40	367-12-4	
2,4,6-Tribromophenol (S)	69 %		39-120	1	10/22/14 00:00	10/24/14 11:40	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	55500 ug/L		1000	100		10/21/14 20:43	67-64-1	N2
Benzene	ND ug/L		100	100		10/21/14 20:43	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/21/14 20:43	75-27-4	
Bromoform	ND ug/L		100	100		10/21/14 20:43	75-25-2	
Bromomethane	ND ug/L		500	100		10/21/14 20:43	74-83-9	
2-Butanone (MEK)	24300 ug/L		1000	100		10/21/14 20:43	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/21/14 20:43	56-23-5	
Chloroethane	ND ug/L		100	100		10/21/14 20:43	75-00-3	
Chloroform	ND ug/L		100	100		10/21/14 20:43	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/21/14 20:43	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/21/14 20:43	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/21/14 20:43	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/21/14 20:43	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/21/14 20:43	100-41-4	
Methylene chloride	ND ug/L		100	100		10/21/14 20:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/21/14 20:43	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/21/14 20:43	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/21/14 20:43	127-18-4	
Toluene	ND ug/L		100	100		10/21/14 20:43	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/21/14 20:43	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/21/14 20:43	79-00-5	
Trichloroethene	ND ug/L		100	100		10/21/14 20:43	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/21/14 20:43	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/21/14 20:43	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	103 %		80-120	100		10/21/14 20:43	460-00-4	
Toluene-d8 (S)	99 %		80-120	100		10/21/14 20:43	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	100		10/21/14 20:43	17060-07-0	
Preservation pH	6.0		1.0	100		10/21/14 20:43		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	111 mg/L		5.0	1		10/22/14 15:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

Sample: T1-040		Lab ID: 60180737001	Collected: 10/18/14 17:09	Received: 10/20/14 13:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/22/14 15:10		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3000	mg/L	5.0	1		10/23/14 14:13		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.0	Std. Units	0.10	1		10/21/14 14:00		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	10900	mg/L	2.0	1	10/20/14 16:17	10/25/14 11:20		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	133	mg/L	10.0	100		10/23/14 10:57	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	18500	mg/L	2500	250		10/24/14 06:00		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

Sample: TRIP BLANK		Lab ID: 60180737002	Collected: 10/18/14 17:09	Received: 10/20/14 13:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/21/14 21:25	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/21/14 21:25	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/21/14 21:25	75-27-4	
Bromoform	ND ug/L		1.0	1		10/21/14 21:25	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/21/14 21:25	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/21/14 21:25	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/21/14 21:25	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/21/14 21:25	75-00-3	
Chloroform	ND ug/L		1.0	1		10/21/14 21:25	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/21/14 21:25	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/21/14 21:25	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/21/14 21:25	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/21/14 21:25	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/21/14 21:25	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/21/14 21:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/21/14 21:25	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/21/14 21:25	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/21/14 21:25	127-18-4	
Toluene	ND ug/L		1.0	1		10/21/14 21:25	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/21/14 21:25	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/21/14 21:25	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/21/14 21:25	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/21/14 21:25	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/21/14 21:25	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	102 %		80-120	1		10/21/14 21:25	460-00-4	
Toluene-d8 (S)	95 %		80-120	1		10/21/14 21:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	105 %		80-120	1		10/21/14 21:25	17060-07-0	
Preservation pH	6.0		1.0	1		10/21/14 21:25		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

QC Batch: MERP/8934 Analysis Method: EPA 245.1
 QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
 Associated Lab Samples: 60180737001

METHOD BLANK: 1464091 Matrix: Water
 Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/22/14 09:30	

LABORATORY CONTROL SAMPLE: 1464092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1464093 1464094

Parameter	Units	60180736001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	150	150	83.1	85.2	53	54	70-130	2	20	M1

MATRIX SPIKE SAMPLE: 1464095

Parameter	Units	60180690002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.7	93	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

QC Batch:	MERP/8940	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60180737001		

METHOD BLANK: 1465000 Matrix: Water
Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/23/14 13:05	

LABORATORY CONTROL SAMPLE: 1465001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1465002 1465003

Parameter	Units	60180667001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	150	150	90.3	88.5	60	59	70-130	2	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

QC Batch: MPRP/29440

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60180737001

METHOD BLANK: 1465261

Matrix: Water

Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/23/14 11:31	
Antimony	ug/L	ND	10.0	10/23/14 11:31	
Arsenic	ug/L	ND	10.0	10/24/14 07:44	
Beryllium	ug/L	ND	1.0	10/23/14 11:31	
Cadmium	ug/L	ND	5.0	10/24/14 07:44	
Chromium	ug/L	ND	5.0	10/23/14 11:31	
Cobalt	ug/L	ND	5.0	10/23/14 11:31	
Copper	ug/L	ND	10.0	10/23/14 11:31	
Iron	ug/L	ND	50.0	10/23/14 11:31	
Lead	ug/L	ND	5.0	10/23/14 11:31	
Nickel	ug/L	ND	5.0	10/23/14 11:31	
Selenium	ug/L	ND	15.0	10/23/14 11:31	
Silver	ug/L	ND	7.0	10/23/14 11:31	
Thallium	ug/L	ND	20.0	10/23/14 11:31	
Zinc	ug/L	ND	50.0	10/23/14 11:31	

LABORATORY CONTROL SAMPLE: 1465262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	85-115	
Antimony	ug/L	1000	989	99	85-115	
Arsenic	ug/L	1000	982	98	85-115	
Beryllium	ug/L	1000	1010	101	85-115	
Cadmium	ug/L	1000	1000	100	85-115	
Chromium	ug/L	1000	1050	105	85-115	
Cobalt	ug/L	1000	959	96	85-115	
Copper	ug/L	1000	1030	103	85-115	
Iron	ug/L	10000	9710	97	85-115	
Lead	ug/L	1000	972	97	85-115	
Nickel	ug/L	1000	1000	100	85-115	
Selenium	ug/L	1000	944	94	85-115	
Silver	ug/L	500	518	104	85-115	
Thallium	ug/L	1000	905	91	85-115	
Zinc	ug/L	1000	919	92	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1465263												1465264											
Parameter	Units	60180524001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual											
			Spike Conc.	Spike Conc.																			
Aluminum	ug/L	241	10000	10000	10500	10400	103	102	70-130	1	8												
Antimony	ug/L	ND	1000	1000	1000	996	100	100	70-130	1	7												
Arsenic	ug/L	ND	1000	1000	993	1000	99	100	70-130	1	10												
Beryllium	ug/L	ND	1000	1000	1010	1010	101	101	70-130	1	7												
Cadmium	ug/L	ND	1000	1000	991	999	99	100	70-130	1	10												
Chromium	ug/L	ND	1000	1000	1040	1030	104	103	70-130	1	10												
Cobalt	ug/L	ND	1000	1000	949	945	95	94	70-130	0	6												
Copper	ug/L	ND	1000	1000	1050	1040	105	104	70-130	1	11												
Iron	ug/L	277	10000	10000	9920	9920	96	96	70-130	0	10												
Lead	ug/L	ND	1000	1000	971	960	97	96	70-130	1	10												
Nickel	ug/L	ND	1000	1000	989	981	99	98	70-130	1	10												
Selenium	ug/L	ND	1000	1000	967	964	97	96	70-130	0	10												
Silver	ug/L	ND	500	500	522	515	104	103	70-130	1	10												
Thallium	ug/L	ND	1000	1000	906	899	90	90	70-130	1	6												
Zinc	ug/L	ND	1000	1000	924	916	91	90	70-130	1	11												

MATRIX SPIKE SAMPLE: 1465265											
Parameter	Units	40105366002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	7790	10000
Antimony	ug/L	<10.0	1000	960	96	70-130					
Arsenic	ug/L	<10.0	1000	997	99	70-130					
Beryllium	ug/L	<1.0	1000	996	100	70-130					
Cadmium	ug/L	<5.0	1000	999	100	70-130					
Chromium	ug/L	9.8	1000	1050	104	70-130					
Cobalt	ug/L	5.7	1000	920	91	70-130					
Copper	ug/L	11.3	1000	1050	104	70-130					
Iron	ug/L	5500	10000	16100	106	70-130					
Lead	ug/L	8.3	1000	937	93	70-130					
Nickel	ug/L	25.2	1000	977	95	70-130					
Selenium	ug/L	<15.0	1000	933	93	70-130					
Silver	ug/L	<7.0	500	524	104	70-130					
Thallium	ug/L	<20.0	1000	851	85	70-130					
Zinc	ug/L	<50.0	1000	888	87	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

QC Batch: MPRP/29419

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180737001

METHOD BLANK: 1464448

Matrix: Water

Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/22/14 10:28	
Antimony, Dissolved	ug/L	ND	10.0	10/22/14 10:28	
Arsenic, Dissolved	ug/L	ND	10.0	10/22/14 10:28	
Beryllium, Dissolved	ug/L	ND	1.0	10/22/14 10:28	
Cadmium, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Chromium, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Cobalt, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Copper, Dissolved	ug/L	ND	10.0	10/22/14 10:28	
Iron, Dissolved	ug/L	ND	50.0	10/22/14 10:28	
Lead, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Nickel, Dissolved	ug/L	ND	5.0	10/22/14 10:28	
Selenium, Dissolved	ug/L	ND	15.0	10/22/14 10:28	
Silver, Dissolved	ug/L	ND	7.0	10/22/14 10:28	
Thallium, Dissolved	ug/L	ND	20.0	10/22/14 10:28	
Zinc, Dissolved	ug/L	ND	50.0	10/22/14 10:28	

LABORATORY CONTROL SAMPLE: 1464449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9660	97	85-115	
Antimony, Dissolved	ug/L	1000	1000	100	85-115	
Arsenic, Dissolved	ug/L	1000	980	98	85-115	
Beryllium, Dissolved	ug/L	1000	964	96	85-115	
Cadmium, Dissolved	ug/L	1000	990	99	85-115	
Chromium, Dissolved	ug/L	1000	959	96	85-115	
Cobalt, Dissolved	ug/L	1000	1020	102	85-115	
Copper, Dissolved	ug/L	1000	968	97	85-115	
Iron, Dissolved	ug/L	10000	9840	98	85-115	
Lead, Dissolved	ug/L	1000	979	98	85-115	
Nickel, Dissolved	ug/L	1000	1010	101	85-115	
Selenium, Dissolved	ug/L	1000	963	96	85-115	
Silver, Dissolved	ug/L	500	483	97	85-115	
Thallium, Dissolved	ug/L	1000	1000	100	85-115	
Zinc, Dissolved	ug/L	1000	986	99	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1464450		1464451									
Parameter	Units	40105039002	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
		Result	Spike	Spike	Result	Result	% Rec	% Rec	Limits				
Aluminum, Dissolved	ug/L	<75.0	10000	10000	9510	9590	95	96	70-130	1	8		
Antimony, Dissolved	ug/L	<10.0	1000	1000	1010	1020	101	102	70-130	1	7		
Arsenic, Dissolved	ug/L	<10.0	1000	1000	988	1000	99	100	70-130	1	10		
Beryllium, Dissolved	ug/L	<1.0	1000	1000	950	957	95	96	70-130	1	7		
Cadmium, Dissolved	ug/L	<5.0	1000	1000	990	999	99	100	70-130	1	10		
Chromium, Dissolved	ug/L	<5.0	1000	1000	930	940	93	94	70-130	1	10		
Cobalt, Dissolved	ug/L	<5.0	1000	1000	988	996	99	99	70-130	1	6		
Copper, Dissolved	ug/L	<10.0	1000	1000	971	977	97	97	70-130	1	11		
Iron, Dissolved	ug/L	<50.0	10000	10000	9640	9690	96	97	70-130	0	10		
Lead, Dissolved	ug/L	<5.0	1000	1000	946	957	94	95	70-130	1	10		
Nickel, Dissolved	ug/L	14.6	1000	1000	987	994	97	98	70-130	1	10		
Selenium, Dissolved	ug/L	<15.0	1000	1000	959	974	96	97	70-130	2	10		
Silver, Dissolved	ug/L	<7.0	500	500	480	485	96	97	70-130	1	10		
Thallium, Dissolved	ug/L	<20.0	1000	1000	974	983	97	98	70-130	1	6		
Zinc, Dissolved	ug/L	<50.0	1000	1000	945	952	94	95	70-130	1	11		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

QC Batch: MSV/65249 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60180737001, 60180737002

METHOD BLANK: 1464531 Matrix: Water

Associated Lab Samples: 60180737001, 60180737002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/21/14 19:18	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/21/14 19:18	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/21/14 19:18	
1,2-Dichloroethane	ug/L	ND	1.0	10/21/14 19:18	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/21/14 19:18	
2-Butanone (MEK)	ug/L	ND	10.0	10/21/14 19:18	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/21/14 19:18	N2
Acetone	ug/L	ND	10.0	10/21/14 19:18	N2
Benzene	ug/L	ND	1.0	10/21/14 19:18	
Bromodichloromethane	ug/L	ND	1.0	10/21/14 19:18	
Bromoform	ug/L	ND	1.0	10/21/14 19:18	
Bromomethane	ug/L	ND	5.0	10/21/14 19:18	
Carbon tetrachloride	ug/L	ND	1.0	10/21/14 19:18	
Chloroethane	ug/L	ND	1.0	10/21/14 19:18	
Chloroform	ug/L	ND	1.0	10/21/14 19:18	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/21/14 19:18	N2
Ethylbenzene	ug/L	ND	1.0	10/21/14 19:18	
Methylene chloride	ug/L	ND	1.0	10/21/14 19:18	
Tetrachloroethene	ug/L	ND	1.0	10/21/14 19:18	
Toluene	ug/L	ND	1.0	10/21/14 19:18	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/21/14 19:18	
Trichloroethene	ug/L	ND	1.0	10/21/14 19:18	
Vinyl chloride	ug/L	ND	1.0	10/21/14 19:18	
Xylene (Total)	ug/L	ND	3.0	10/21/14 19:18	N2
1,2-Dichloroethane-d4 (S)	%	103	80-120	10/21/14 19:18	
4-Bromofluorobenzene (S)	%	105	80-120	10/21/14 19:18	
Toluene-d8 (S)	%	98	80-120	10/21/14 19:18	

LABORATORY CONTROL SAMPLE: 1464532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.9	104	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	102	67-127	N2
1,1,2-Trichloroethane	ug/L	20	21.6	108	67-124	
1,2-Dichloroethane	ug/L	20	21.9	110	70-126	
1,4-Dichlorobenzene	ug/L	20	23.0	115	74-120	
2-Butanone (MEK)	ug/L	100	92.0	92	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	59-131	N2
Acetone	ug/L	100	87.8	88	38-134	N2
Benzene	ug/L	20	21.4	107	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

LABORATORY CONTROL SAMPLE: 1464532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.8	109	68-125	
Bromoform	ug/L	20	21.7	109	65-127	
Bromomethane	ug/L	20	21.8	109	13-157	
Carbon tetrachloride	ug/L	20	21.6	108	70-131	
Chloroethane	ug/L	20	20.3	102	47-133	
Chloroform	ug/L	20	21.4	107	65-127	
cis-1,2-Dichloroethene	ug/L	20	21.2	106	68-127	N2
Ethylbenzene	ug/L	20	22.8	114	74-122	
Methylene chloride	ug/L	20	18.1	90	64-129	
Tetrachloroethene	ug/L	20	22.4	112	73-125	
Toluene	ug/L	20	21.3	107	69-126	
trans-1,2-Dichloroethene	ug/L	20	19.6	98	66-129	
Trichloroethene	ug/L	20	21.5	107	71-123	
Vinyl chloride	ug/L	20	22.0	110	43-129	
Xylene (Total)	ug/L	60	69.2	115	75-121	N2
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			100	80-120	
Toluene-d8 (S)	%			98	80-120	

MATRIX SPIKE SAMPLE: 1464533

Parameter	Units	60180737001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2170	109	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2110	106	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2030	101	52-143	
1,2-Dichloroethane	ug/L	ND	2000	2050	102	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2230	109	33-140	
2-Butanone (MEK)	ug/L	24300	10000	33700	94	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	10200	100	40-160	N2
Acetone	ug/L	55500	10000	63800	83	10-160	N2
Benzene	ug/L	ND	2000	2140	107	37-151	
Bromodichloromethane	ug/L	ND	2000	2110	106	35-142	
Bromoform	ug/L	ND	2000	2050	103	45-142	
Bromomethane	ug/L	ND	2000	2130	106	10-158	
Carbon tetrachloride	ug/L	ND	2000	2310	115	70-140	
Chloroethane	ug/L	ND	2000	2080	104	19-152	
Chloroform	ug/L	ND	2000	2090	105	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2040	102	34-147	N2
Ethylbenzene	ug/L	ND	2000	2170	108	40-142	
Methylene chloride	ug/L	ND	2000	1770	88	31-144	
Tetrachloroethene	ug/L	ND	2000	2250	112	64-148	
Toluene	ug/L	ND	2000	2150	108	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	1950	98	54-151	
Trichloroethene	ug/L	ND	2000	2090	105	71-149	
Vinyl chloride	ug/L	ND	2000	2290	114	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

MATRIX SPIKE SAMPLE:		1464533					
Parameter	Units	60180737001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6820	114	37-144	N2
1,2-Dichloroethane-d4 (S)	%				101	80-120	
4-Bromofluorobenzene (S)	%				101	80-120	
Toluene-d8 (S)	%				101	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040
Pace Project No.: 60180737

QC Batch: OEXT/46774 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 60180737001

METHOD BLANK: 1464846 Matrix: Water
Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/24/14 10:16	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/24/14 10:16	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/24/14 10:16	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/24/14 10:16	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/24/14 10:16	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/24/14 10:16	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/24/14 10:16	
Hexachloroethane	ug/L	ND	5.0	10/24/14 10:16	
Naphthalene	ug/L	ND	5.0	10/24/14 10:16	
Nitrobenzene	ug/L	ND	5.0	10/24/14 10:16	
Pentachlorophenol	ug/L	ND	5.0	10/24/14 10:16	
Phenol	ug/L	ND	5.0	10/24/14 10:16	
2,4,6-Tribromophenol (S)	%	60	39-120	10/24/14 10:16	
2-Fluorobiphenyl (S)	%	78	39-120	10/24/14 10:16	
2-Fluorophenol (S)	%	32	17-120	10/24/14 10:16	
Nitrobenzene-d5 (S)	%	81	33-120	10/24/14 10:16	
Phenol-d6 (S)	%	20	11-120	10/24/14 10:16	
Terphenyl-d14 (S)	%	72	45-120	10/24/14 10:16	

LABORATORY CONTROL SAMPLE: 1464847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	45.1	90	46-120	
2,4,6-Trichlorophenol	ug/L	50	52.2	104	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	34.4	69	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	31.9	64	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	51.6	103	40-133	
Hexachloro-1,3-butadiene	ug/L	50	41.7	83	44-116	
Hexachlorocyclopentadiene	ug/L	100	45.1	45	24-120	
Hexachloroethane	ug/L	50	46.1	92	43-113	
Naphthalene	ug/L	50	50.9	102	48-120	
Nitrobenzene	ug/L	50	55.8	112	48-120	
Pentachlorophenol	ug/L	50	117	233	47-120	L0
Phenol	ug/L	50	16.2	32	16-112	
2,4,6-Tribromophenol (S)	%			80	39-120	
2-Fluorobiphenyl (S)	%			101	39-120	
2-Fluorophenol (S)	%			42	17-120	
Nitrobenzene-d5 (S)	%			107	33-120	
Phenol-d6 (S)	%			28	11-120	
Terphenyl-d14 (S)	%			95	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

MATRIX SPIKE SAMPLE: 1464848		60180736001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3850	77	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4870	97	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3260	65	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	2160	5000	4880	54	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	4730	95	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3650	73	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	4020	40	11-120	
Hexachloroethane	ug/L	ND	5000	3940	79	40-113	
Naphthalene	ug/L	ND	5000	4380	84	45-120	
Nitrobenzene	ug/L	ND	5000	5180	104	38-120	
Pentachlorophenol	ug/L	ND	5000	11900	238	43-135	M0
Phenol	ug/L	2970	5000	4180	24	13-112	
2,4,6-Tribromophenol (S)	%				73	39-120	
2-Fluorobiphenyl (S)	%				88	39-120	
2-Fluorophenol (S)	%				37	17-120	
Nitrobenzene-d5 (S)	%				104	33-120	
Phenol-d6 (S)	%				25	11-120	
Terphenyl-d14 (S)	%				85	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

QC Batch:	WET/51048	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180737001		

METHOD BLANK: 1464851 Matrix: Water
Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/22/14 15:02	

LABORATORY CONTROL SAMPLE: 1464852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.2	100	78-114	

MATRIX SPIKE SAMPLE: 1464853

Parameter	Units	60180455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	22.5	42.6	67.2	105	78-114	

SAMPLE DUPLICATE: 1464854

Parameter	Units	60180387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	0.74J	1.9J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

QC Batch:	WET/51049	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180737001		

METHOD BLANK: 1464857 Matrix: Water
Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/22/14 15:08	

LABORATORY CONTROL SAMPLE: 1464858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.2	116	64-132	

MATRIX SPIKE SAMPLE: 1464859

Parameter	Units	60180455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	21.3	16.8	66	64-132	

SAMPLE DUPLICATE: 1464860

Parameter	Units	60180387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	ND		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

QC Batch: WET/51085

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60180737001

METHOD BLANK: 1465701

Matrix: Water

Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/23/14 14:12	

SAMPLE DUPLICATE: 1465702

Parameter	Units	60180793003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	26.0	37.0	35	10	D6

SAMPLE DUPLICATE: 1465703

Parameter	Units	60180793004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	5.0		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

QC Batch: WET/51032 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180737001

SAMPLE DUPLICATE: 1464536

Parameter	Units	60180185001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.8	8.7	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

QC Batch: WET/51015

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180737001

METHOD BLANK: 1463948

Matrix: Water

Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/25/14 11:15	

LABORATORY CONTROL SAMPLE: 1463949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	202	102	85-115	

SAMPLE DUPLICATE: 1463950

Parameter	Units	60180727002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	1980	1850	7	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040
Pace Project No.: 60180737

QC Batch: WETA/31463 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 60180737001

METHOD BLANK: 1464795 Matrix: Water
Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/23/14 10:32	

LABORATORY CONTROL SAMPLE: 1464796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	103	90-110	

MATRIX SPIKE SAMPLE: 1464797

Parameter	Units	60180608002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	17.4	20	33.7	81	90-110	M1

MATRIX SPIKE SAMPLE: 1464798

Parameter	Units	60180619004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	2.1	104	90-110	

SAMPLE DUPLICATE: 1464799

Parameter	Units	60180657001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-040
Pace Project No.: 60180737

QC Batch: WETA/31470 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 60180737001

METHOD BLANK: 1464961 Matrix: Water
Associated Lab Samples: 60180737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/24/14 05:57	

LABORATORY CONTROL SAMPLE: 1464962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	47.6	95	90-110	

MATRIX SPIKE SAMPLE: 1464963

Parameter	Units	60180736001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	20000	12500	29200	73	90-110	M1

MATRIX SPIKE SAMPLE: 1464965

Parameter	Units	60180432001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	13800	5000	18200	89	90-110	M1

SAMPLE DUPLICATE: 1464964

Parameter	Units	60180290001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	17.0	15.8	7	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-040

Pace Project No.: 60180737

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180737001	T1-040	EPA 200.7	MPRP/29440	EPA 200.7	ICP/22107
60180737001	T1-040	EPA 200.7	MPRP/29419	EPA 200.7	ICP/22096
60180737001	T1-040	EPA 245.1	MERP/8934	EPA 245.1	MERC/8889
60180737001	T1-040	EPA 245.1	MERP/8940	EPA 245.1	MERC/8900
60180737001	T1-040	EPA 625	OEXT/46774	EPA 625	MSSV/15052
60180737001	T1-040	EPA 624 Low	MSV/65249		
60180737002	TRIP BLANK	EPA 624 Low	MSV/65249		
60180737001	T1-040	EPA 1664A	WET/51048		
60180737001	T1-040	EPA 1664A	WET/51049		
60180737001	T1-040	SM 2540D	WET/51085		
60180737001	T1-040	SM 4500-H+B	WET/51032		
60180737001	T1-040	SM 5210B	WET/51015	SM 5210B	WET/51145
60180737001	T1-040	EPA 350.1	WETA/31463		
60180737001	T1-040	EPA 410.4	WETA/31470		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180737
60180737

Client Name: Burr

Courier: Fed Ex UPS USPS Client Commercial Pace Other roads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: -239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun. (circle one)

Cooler Temperature: 2.4
Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: CW 10/20/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>BOD pH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial pH <u>BP3N 6.0</u> added <u>2.5 mL HNO₃</u> final pH <u>3.5</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14. Initial pH <u>BP3S 4.5</u> added <u>1.0 mL H₂SO₄</u> final pH <u>1.5</u>
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>CW</u> Lot # of added preservative <u>12513-37-10 12787-14-8</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): <u>Cassini</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16. <u>NO</u>
Client Notification/ Resolution:	Copy COC to Client? Y / <u>N</u> Field Data Required? Y / <u>N</u>	17. List State: <u>MO</u>

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 10/20/14

October 30, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101


RE: Project: BRIDGETON LF T1-042
Pace Project No.: 60180833

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 22, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180833001	T1-042	Water	10/20/14 15:19	10/22/14 02:50
60180833002	TRIP BLANK	Water	10/20/14 15:19	10/22/14 02:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180833001	T1-042	EPA 200.7	JGP, TDS	15
		EPA 200.7	JGP	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	JML	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180833002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

Sample: T1-042		Lab ID: 60180833001	Collected: 10/20/14 15:19	Received: 10/22/14 02:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	4640 ug/L		375	1	10/23/14 14:00	10/24/14 16:04	7429-90-5	
Antimony	ND ug/L		50.0	1	10/23/14 14:00	10/24/14 16:04	7440-36-0	
Arsenic	441 ug/L		50.0	1	10/23/14 14:00	10/24/14 16:04	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/23/14 14:00	10/24/14 16:04	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/23/14 14:00	10/24/14 16:04	7440-43-9	
Chromium	138 ug/L		25.0	1	10/23/14 14:00	10/24/14 16:04	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/23/14 14:00	10/24/14 16:04	7440-48-4	
Copper	ND ug/L		50.0	1	10/23/14 14:00	10/24/14 16:04	7440-50-8	
Iron	374000 ug/L		250	1	10/23/14 14:00	10/24/14 16:04	7439-89-6	M1
Lead	72.8 ug/L		25.0	1	10/23/14 14:00	10/24/14 16:04	7439-92-1	
Nickel	81.0 ug/L		25.0	1	10/23/14 14:00	10/24/14 16:04	7440-02-0	
Selenium	ND ug/L		75.0	1	10/23/14 14:00	10/24/14 16:04	7782-49-2	
Silver	ND ug/L		35.0	1	10/23/14 14:00	10/24/14 16:04	7440-22-4	
Thallium	ND ug/L		100	1	10/23/14 14:00	10/24/14 16:04	7440-28-0	
Zinc	2710 ug/L		250	1	10/23/14 14:00	10/27/14 10:56	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	419 ug/L		375	1	10/27/14 15:30	10/28/14 17:59	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/27/14 15:30	10/28/14 17:59	7440-36-0	
Arsenic, Dissolved	352 ug/L		50.0	1	10/27/14 15:30	10/28/14 17:59	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/27/14 15:30	10/28/14 17:59	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/27/14 15:30	10/28/14 17:59	7440-43-9	
Chromium, Dissolved	82.2 ug/L		25.0	1	10/27/14 15:30	10/28/14 17:59	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/27/14 15:30	10/28/14 17:59	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/27/14 15:30	10/28/14 17:59	7440-50-8	
Iron, Dissolved	111000 ug/L		250	1	10/27/14 15:30	10/28/14 17:59	7439-89-6	M1
Lead, Dissolved	ND ug/L		25.0	1	10/27/14 15:30	10/28/14 17:59	7439-92-1	
Nickel, Dissolved	65.4 ug/L		25.0	1	10/27/14 15:30	10/28/14 17:59	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/27/14 15:30	10/28/14 17:59	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/27/14 15:30	10/28/14 17:59	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/27/14 15:30	10/28/14 17:59	7440-28-0	
Zinc, Dissolved	469 ug/L		250	1	10/27/14 15:30	10/28/14 17:59	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	10/23/14 14:20	10/24/14 09:25	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/27/14 16:30	10/28/14 09:22	7439-97-6	M1
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/23/14 00:00	10/24/14 15:12	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:12	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:12	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:12	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/23/14 00:00	10/24/14 15:12	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND ug/L		2000	1	10/23/14 00:00	10/24/14 15:12		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

Sample: T1-042	Lab ID: 60180833001	Collected: 10/20/14 15:19	Received: 10/22/14 02:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:12	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:12	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:12	87-86-5	L3,M0
Phenol	2790 ug/L		500	1	10/23/14 00:00	10/24/14 15:12	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:12	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:12	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	88 %		33-120	1	10/23/14 00:00	10/24/14 15:12	4165-60-0	
2-Fluorobiphenyl (S)	77 %		39-120	1	10/23/14 00:00	10/24/14 15:12	321-60-8	
Terphenyl-d14 (S)	75 %		45-120	1	10/23/14 00:00	10/24/14 15:12	1718-51-0	
Phenol-d6 (S)	32 %		11-120	1	10/23/14 00:00	10/24/14 15:12	13127-88-3	
2-Fluorophenol (S)	41 %		17-120	1	10/23/14 00:00	10/24/14 15:12	367-12-4	
2,4,6-Tribromophenol (S)	63 %		39-120	1	10/23/14 00:00	10/24/14 15:12	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	71600 ug/L		1000	100		10/24/14 08:35	67-64-1	N2
Benzene	ND ug/L		100	100		10/24/14 08:35	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/24/14 08:35	75-27-4	
Bromoform	ND ug/L		100	100		10/24/14 08:35	75-25-2	
Bromomethane	ND ug/L		500	100		10/24/14 08:35	74-83-9	
2-Butanone (MEK)	36200 ug/L		1000	100		10/24/14 08:35	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/24/14 08:35	56-23-5	
Chloroethane	ND ug/L		100	100		10/24/14 08:35	75-00-3	
Chloroform	ND ug/L		100	100		10/24/14 08:35	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/24/14 08:35	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/24/14 08:35	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/24/14 08:35	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/24/14 08:35	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/24/14 08:35	100-41-4	
Methylene chloride	ND ug/L		100	100		10/24/14 08:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/24/14 08:35	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/24/14 08:35	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/24/14 08:35	127-18-4	
Toluene	ND ug/L		100	100		10/24/14 08:35	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/24/14 08:35	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/24/14 08:35	79-00-5	
Trichloroethene	ND ug/L		100	100		10/24/14 08:35	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/24/14 08:35	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/24/14 08:35	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	105 %		80-120	100		10/24/14 08:35	460-00-4	
Toluene-d8 (S)	95 %		80-120	100		10/24/14 08:35	2037-26-5	
1,2-Dichloroethane-d4 (S)	110 %		80-120	100		10/24/14 08:35	17060-07-0	
Preservation pH	6.0		1.0	100		10/24/14 08:35		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	38.3 mg/L		5.0	1		10/27/14 11:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

Sample: T1-042		Lab ID: 60180833001	Collected: 10/20/14 15:19	Received: 10/22/14 02:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/27/14 11:42		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3280	mg/L	5.0	1		10/23/14 14:15		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.1	Std. Units	0.10	1		10/27/14 09:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	7540	mg/L	2.0	1	10/22/14 13:02	10/27/14 09:23		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	140	mg/L	10.0	100		10/25/14 13:50	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	18200	mg/L	2500	250		10/24/14 06:15		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

Sample: TRIP BLANK		Lab ID: 60180833002	Collected: 10/20/14 15:19	Received: 10/22/14 02:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/24/14 09:32	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/24/14 09:32	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/24/14 09:32	75-27-4	
Bromoform	ND ug/L		1.0	1		10/24/14 09:32	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/24/14 09:32	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/24/14 09:32	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/24/14 09:32	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/24/14 09:32	75-00-3	
Chloroform	ND ug/L		1.0	1		10/24/14 09:32	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/24/14 09:32	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/24/14 09:32	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/24/14 09:32	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/24/14 09:32	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/24/14 09:32	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/24/14 09:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/24/14 09:32	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/24/14 09:32	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/24/14 09:32	127-18-4	
Toluene	ND ug/L		1.0	1		10/24/14 09:32	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/24/14 09:32	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/24/14 09:32	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/24/14 09:32	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/24/14 09:32	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/24/14 09:32	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	105 %		80-120	1		10/24/14 09:32	460-00-4	
Toluene-d8 (S)	103 %		80-120	1		10/24/14 09:32	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	1		10/24/14 09:32	17060-07-0	
Preservation pH	6.0		1.0	1		10/24/14 09:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042
Pace Project No.: 60180833

QC Batch: MERP/8947 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 60180833001

METHOD BLANK: 1465754 Matrix: Water
Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/24/14 09:20	

LABORATORY CONTROL SAMPLE: 1465755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	93	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1465756 1465757

Parameter	Units	60180906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.7	4.8	93	95	70-130	2	20	

MATRIX SPIKE SAMPLE: 1465758

Parameter	Units	60180912002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.5	90	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch: MERP/8970

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60180833001

METHOD BLANK: 1468210

Matrix: Water

Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/28/14 09:18	

LABORATORY CONTROL SAMPLE: 1468211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.1	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468212 1468213

Parameter	Units	60180833001		MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result	% Rec	% Rec						
Mercury, Dissolved	ug/L	ND	150	150	87.6	86.7	58	58	70-130	1	20	M1			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch: MPRP/29457

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60180833001

METHOD BLANK: 1465988

Matrix: Water

Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/24/14 16:00	
Antimony	ug/L	ND	10.0	10/24/14 16:00	
Arsenic	ug/L	ND	10.0	10/24/14 16:00	
Beryllium	ug/L	ND	1.0	10/24/14 16:00	
Cadmium	ug/L	ND	5.0	10/24/14 16:00	
Chromium	ug/L	ND	5.0	10/24/14 16:00	
Cobalt	ug/L	ND	5.0	10/24/14 16:00	
Copper	ug/L	ND	10.0	10/24/14 16:00	
Iron	ug/L	ND	50.0	10/24/14 16:00	
Lead	ug/L	ND	5.0	10/24/14 16:00	
Nickel	ug/L	ND	5.0	10/24/14 16:00	
Selenium	ug/L	ND	15.0	10/24/14 16:00	
Silver	ug/L	ND	7.0	10/24/14 16:00	
Thallium	ug/L	ND	20.0	10/24/14 16:00	
Zinc	ug/L	ND	50.0	10/27/14 10:45	

LABORATORY CONTROL SAMPLE: 1465989

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10400	104	85-115	
Antimony	ug/L	1000	1010	101	85-115	
Arsenic	ug/L	1000	977	98	85-115	
Beryllium	ug/L	1000	1030	103	85-115	
Cadmium	ug/L	1000	1010	101	85-115	
Chromium	ug/L	1000	1090	109	85-115	
Cobalt	ug/L	1000	1070	107	85-115	
Copper	ug/L	1000	995	100	85-115	
Iron	ug/L	10000	10600	106	85-115	
Lead	ug/L	1000	1050	105	85-115	
Nickel	ug/L	1000	1060	106	85-115	
Selenium	ug/L	1000	1000	100	85-115	
Silver	ug/L	500	515	103	85-115	
Thallium	ug/L	1000	995	99	85-115	
Zinc	ug/L	1000	956	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1465990												1465991											
Parameter	Units	60180833001 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual									
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.																		
Aluminum	ug/L	4640	50000	50000	60400	58400	112	108	70-130	3	8												
Antimony	ug/L	ND	5000	5000	5360	5220	107	104	70-130	3	7												
Arsenic	ug/L	441	5000	5000	5800	5640	107	104	70-130	3	10												
Beryllium	ug/L	ND	5000	5000	5200	5060	104	101	70-130	3	7												
Cadmium	ug/L	ND	5000	5000	5350	5220	107	104	70-130	2	10												
Chromium	ug/L	138	5000	5000	5520	5420	108	106	70-130	2	10												
Cobalt	ug/L	ND	5000	5000	5290	5200	105	104	70-130	2	6												
Copper	ug/L	ND	5000	5000	5320	5220	106	104	70-130	2	11												
Iron	ug/L	374000	50000	50000	427000	401000	106	53	70-130	6	10	M1											
Lead	ug/L	72.8	5000	5000	5140	5040	101	99	70-130	2	10												
Nickel	ug/L	81.0	5000	5000	5240	5140	103	101	70-130	2	10												
Selenium	ug/L	ND	5000	5000	5500	5360	110	107	70-130	3	10												
Silver	ug/L	ND	2500	2500	2720	2660	108	106	70-130	2	10												
Thallium	ug/L	ND	5000	5000	4590	4530	92	91	70-130	1	6												
Zinc	ug/L	2710	5000	5000	7500	7240	96	91	70-130	4	11												

MATRIX SPIKE SAMPLE: 1465992											
Parameter	Units	60180849001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	3090	50000
Antimony	ug/L	ND	5000	5340	107	70-130					
Arsenic	ug/L	400	5000	5710	106	70-130					
Beryllium	ug/L	ND	5000	5160	103	70-130					
Cadmium	ug/L	ND	5000	5310	106	70-130					
Chromium	ug/L	118	5000	5520	108	70-130					
Cobalt	ug/L	ND	5000	5280	105	70-130					
Copper	ug/L	ND	5000	5320	106	70-130					
Iron	ug/L	243000	50000	210000	-67	70-130	M1				
Lead	ug/L	59.3	5000	5080	101	70-130					
Nickel	ug/L	75.8	5000	5240	103	70-130					
Selenium	ug/L	ND	5000	5430	109	70-130					
Silver	ug/L	ND	2500	2720	109	70-130					
Thallium	ug/L	ND	5000	4650	93	70-130					
Zinc	ug/L	2380	5000	6940	91	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch: MPRP/29506

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180833001

METHOD BLANK: 1468315

Matrix: Water

Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/28/14 17:56	
Antimony, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Arsenic, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Beryllium, Dissolved	ug/L	ND	1.0	10/28/14 17:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Chromium, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Cobalt, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Copper, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Iron, Dissolved	ug/L	ND	50.0	10/28/14 17:56	
Lead, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Nickel, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Selenium, Dissolved	ug/L	ND	15.0	10/28/14 17:56	
Silver, Dissolved	ug/L	ND	7.0	10/28/14 17:56	
Thallium, Dissolved	ug/L	ND	20.0	10/28/14 17:56	
Zinc, Dissolved	ug/L	ND	50.0	10/28/14 17:56	

LABORATORY CONTROL SAMPLE: 1468316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10300	103	85-115	
Antimony, Dissolved	ug/L	1000	1060	106	85-115	
Arsenic, Dissolved	ug/L	1000	1020	102	85-115	
Beryllium, Dissolved	ug/L	1000	1020	102	85-115	
Cadmium, Dissolved	ug/L	1000	1040	104	85-115	
Chromium, Dissolved	ug/L	1000	1020	102	85-115	
Cobalt, Dissolved	ug/L	1000	1060	106	85-115	
Copper, Dissolved	ug/L	1000	1030	103	85-115	
Iron, Dissolved	ug/L	10000	10100	101	85-115	
Lead, Dissolved	ug/L	1000	1010	101	85-115	
Nickel, Dissolved	ug/L	1000	1050	105	85-115	
Selenium, Dissolved	ug/L	1000	1030	103	85-115	
Silver, Dissolved	ug/L	500	514	103	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	1010	101	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468317												1468318	
Parameter	Units	60180833001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Aluminum, Dissolved	ug/L	419	50000	50000	51800	51600	103	102	70-130	0	8		
Antimony, Dissolved	ug/L	ND	5000	5000	5420	5460	108	109	70-130	1	7		
Arsenic, Dissolved	ug/L	352	5000	5000	5600	5640	105	106	70-130	1	10		
Beryllium, Dissolved	ug/L	ND	5000	5000	5120	5110	102	102	70-130	0	7		
Cadmium, Dissolved	ug/L	ND	5000	5000	5250	5260	105	105	70-130	0	10		
Chromium, Dissolved	ug/L	82.2	5000	5000	5060	5040	100	99	70-130	0	10		
Cobalt, Dissolved	ug/L	ND	5000	5000	5120	5120	102	102	70-130	0	6		
Copper, Dissolved	ug/L	ND	5000	5000	5220	5200	104	104	70-130	0	11		
Iron, Dissolved	ug/L	111000	50000	50000	143000	144000	64	66	70-130	1	10	M1	
Lead, Dissolved	ug/L	ND	5000	5000	4800	4800	96	96	70-130	0	10		
Nickel, Dissolved	ug/L	65.4	5000	5000	5060	5060	100	100	70-130	0	10		
Selenium, Dissolved	ug/L	ND	5000	5000	5380	5420	108	108	70-130	1	10		
Silver, Dissolved	ug/L	ND	2500	2500	2660	2640	106	105	70-130	1	10		
Thallium, Dissolved	ug/L	ND	5000	5000	4670	4670	93	93	70-130	0	6		
Zinc, Dissolved	ug/L	469	5000	5000	5220	5200	95	95	70-130	0	11		

MATRIX SPIKE SAMPLE: 1468319											
Parameter	Units	60180972001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum, Dissolved	ug/L	ND	10000
Antimony, Dissolved	ug/L	ND	1000	1070	107	70-130					
Arsenic, Dissolved	ug/L	ND	1000	1040	104	70-130					
Beryllium, Dissolved	ug/L	ND	1000	1030	103	70-130					
Cadmium, Dissolved	ug/L	ND	1000	1040	103	70-130					
Chromium, Dissolved	ug/L	2.2J	1000	994	99	70-130					
Cobalt, Dissolved	ug/L	ND	1000	1040	103	70-130					
Copper, Dissolved	ug/L	ND	1000	1040	104	70-130					
Iron, Dissolved	ug/L	ND	10000	9820	98	70-130					
Lead, Dissolved	ug/L	ND	1000	988	99	70-130					
Nickel, Dissolved	ug/L	ND	1000	1020	102	70-130					
Selenium, Dissolved	ug/L	ND	1000	1030	103	70-130					
Silver, Dissolved	ug/L	ND	500	515	103	70-130					
Thallium, Dissolved	ug/L	ND	1000	1010	101	70-130					
Zinc, Dissolved	ug/L	ND	1000	966	97	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch: MSV/65302 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60180833001, 60180833002

METHOD BLANK: 1465995 Matrix: Water

Associated Lab Samples: 60180833001, 60180833002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/24/14 06:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/24/14 06:42	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/24/14 06:42	
1,2-Dichloroethane	ug/L	ND	1.0	10/24/14 06:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/24/14 06:42	
2-Butanone (MEK)	ug/L	ND	10.0	10/24/14 06:42	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/24/14 06:42	N2
Acetone	ug/L	ND	10.0	10/24/14 06:42	N2
Benzene	ug/L	ND	1.0	10/24/14 06:42	
Bromodichloromethane	ug/L	ND	1.0	10/24/14 06:42	
Bromoform	ug/L	ND	1.0	10/24/14 06:42	
Bromomethane	ug/L	ND	5.0	10/24/14 06:42	
Carbon tetrachloride	ug/L	ND	1.0	10/24/14 06:42	
Chloroethane	ug/L	ND	1.0	10/24/14 06:42	
Chloroform	ug/L	ND	1.0	10/24/14 06:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/24/14 06:42	N2
Ethylbenzene	ug/L	ND	1.0	10/24/14 06:42	
Methylene chloride	ug/L	ND	1.0	10/24/14 06:42	
Tetrachloroethene	ug/L	ND	1.0	10/24/14 06:42	
Toluene	ug/L	ND	1.0	10/24/14 06:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/24/14 06:42	
Trichloroethene	ug/L	ND	1.0	10/24/14 06:42	
Vinyl chloride	ug/L	ND	1.0	10/24/14 06:42	
Xylene (Total)	ug/L	ND	3.0	10/24/14 06:42	N2
1,2-Dichloroethane-d4 (S)	%	105	80-120	10/24/14 06:42	
4-Bromofluorobenzene (S)	%	109	80-120	10/24/14 06:42	
Toluene-d8 (S)	%	93	80-120	10/24/14 06:42	

LABORATORY CONTROL SAMPLE: 1465996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.9	115	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	22.2	111	67-127	N2
1,1,2-Trichloroethane	ug/L	20	23.3	117	67-124	
1,2-Dichloroethane	ug/L	20	24.1	120	70-126	
1,4-Dichlorobenzene	ug/L	20	23.1	116	74-120	
2-Butanone (MEK)	ug/L	100	104	104	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.9	100	59-131	N2
Acetone	ug/L	100	95.2	95	38-134	N2
Benzene	ug/L	20	21.5	108	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

LABORATORY CONTROL SAMPLE: 1465996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	22.9	114	68-125	
Bromoform	ug/L	20	23.7	119	65-127	
Bromomethane	ug/L	20	23.3	116	13-157	
Carbon tetrachloride	ug/L	20	23.2	116	70-131	
Chloroethane	ug/L	20	18.2	91	47-133	
Chloroform	ug/L	20	23.8	119	65-127	
cis-1,2-Dichloroethene	ug/L	20	24.1	121	68-127	N2
Ethylbenzene	ug/L	20	22.5	112	74-122	
Methylene chloride	ug/L	20	17.5	88	64-129	
Tetrachloroethene	ug/L	20	23.8	119	73-125	
Toluene	ug/L	20	20.6	103	69-126	
trans-1,2-Dichloroethene	ug/L	20	21.6	108	66-129	
Trichloroethene	ug/L	20	23.2	116	71-123	
Vinyl chloride	ug/L	20	20.1	101	43-129	
Xylene (Total)	ug/L	60	67.4	112	75-121	N2
1,2-Dichloroethane-d4 (S)	%			110	80-120	
4-Bromofluorobenzene (S)	%			105	80-120	
Toluene-d8 (S)	%			95	80-120	

MATRIX SPIKE SAMPLE: 1465997

Parameter	Units	60180833001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2390	120	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2390	120	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2350	118	52-143	
1,2-Dichloroethane	ug/L	ND	2000	2240	112	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2240	109	33-140	
2-Butanone (MEK)	ug/L	36200	10000	44800	86	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	9890	95	40-160	N2
Acetone	ug/L	71600	10000	75200	36	10-160	N2
Benzene	ug/L	ND	2000	2190	109	37-151	
Bromodichloromethane	ug/L	ND	2000	2270	113	35-142	
Bromoform	ug/L	ND	2000	2390	120	45-142	
Bromomethane	ug/L	ND	2000	2020	101	10-158	
Carbon tetrachloride	ug/L	ND	2000	2490	125	70-140	
Chloroethane	ug/L	ND	2000	1610	80	19-152	
Chloroform	ug/L	ND	2000	2290	114	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2320	116	34-147	N2
Ethylbenzene	ug/L	ND	2000	2220	111	40-142	
Methylene chloride	ug/L	ND	2000	1680	83	31-144	
Tetrachloroethene	ug/L	ND	2000	2310	116	64-148	
Toluene	ug/L	ND	2000	2020	100	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	1930	97	54-151	
Trichloroethene	ug/L	ND	2000	2200	110	71-149	
Vinyl chloride	ug/L	ND	2000	1700	85	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

MATRIX SPIKE SAMPLE:		1465997					
Parameter	Units	60180833001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6580	110	37-144	N2
1,2-Dichloroethane-d4 (S)	%				106	80-120	
4-Bromofluorobenzene (S)	%				107	80-120	
Toluene-d8 (S)	%				94	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch:	OEXT/46798	Analysis Method:	EPA 625
QC Batch Method:	EPA 625	Analysis Description:	625 MSS
Associated Lab Samples:	60180833001		

METHOD BLANK: 1465912 Matrix: Water

Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/24/14 14:09	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/24/14 14:09	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/24/14 14:09	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/24/14 14:09	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/24/14 14:09	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/24/14 14:09	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/24/14 14:09	
Hexachloroethane	ug/L	ND	5.0	10/24/14 14:09	
Naphthalene	ug/L	ND	5.0	10/24/14 14:09	
Nitrobenzene	ug/L	ND	5.0	10/24/14 14:09	
Pentachlorophenol	ug/L	ND	5.0	10/24/14 14:09	
Phenol	ug/L	ND	5.0	10/24/14 14:09	
2,4,6-Tribromophenol (S)	%	61	39-120	10/24/14 14:09	
2-Fluorobiphenyl (S)	%	78	39-120	10/24/14 14:09	
2-Fluorophenol (S)	%	47	17-120	10/24/14 14:09	
Nitrobenzene-d5 (S)	%	85	33-120	10/24/14 14:09	
Phenol-d6 (S)	%	32	11-120	10/24/14 14:09	
Terphenyl-d14 (S)	%	75	45-120	10/24/14 14:09	

LABORATORY CONTROL SAMPLE: 1465913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.2	84	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.9	100	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	38.1	76	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	36.3	73	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	45.8	92	40-133	
Hexachloro-1,3-butadiene	ug/L	50	40.4	81	44-116	
Hexachlorocyclopentadiene	ug/L	100	40.9	41	24-120	
Hexachloroethane	ug/L	50	44.2	88	43-113	
Naphthalene	ug/L	50	47.2	94	48-120	
Nitrobenzene	ug/L	50	52.0	104	48-120	
Pentachlorophenol	ug/L	50	108	216	47-120	L0
Phenol	ug/L	50	19.7	39	16-112	
2,4,6-Tribromophenol (S)	%			72	39-120	
2-Fluorobiphenyl (S)	%			93	39-120	
2-Fluorophenol (S)	%			50	17-120	
Nitrobenzene-d5 (S)	%			98	33-120	
Phenol-d6 (S)	%			35	11-120	
Terphenyl-d14 (S)	%			88	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

MATRIX SPIKE SAMPLE:		1465914					
Parameter	Units	60180833001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3510	70	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4380	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3310	66	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	5000	4930	61	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	3910	78	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3340	67	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	3810	38	11-120	
Hexachloroethane	ug/L	ND	5000	3700	74	40-113	
Naphthalene	ug/L	ND	5000	4070	78	45-120	
Nitrobenzene	ug/L	ND	5000	4780	96	38-120	
Pentachlorophenol	ug/L	ND	5000	10300	206	43-135	M0
Phenol	ug/L	2790	5000	4710	38	13-112	
2,4,6-Tribromophenol (S)	%				65	39-120	
2-Fluorobiphenyl (S)	%				82	39-120	
2-Fluorophenol (S)	%				40	17-120	
Nitrobenzene-d5 (S)	%				95	33-120	
Phenol-d6 (S)	%				29	11-120	
Terphenyl-d14 (S)	%				78	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch:	WET/51154	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180833001		

METHOD BLANK: 1468111 Matrix: Water
Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/27/14 11:35	

LABORATORY CONTROL SAMPLE: 1468112

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.8	97	78-114	

MATRIX SPIKE SAMPLE: 1468113

Parameter	Units	60180857001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	21.2	44.9	61.9	91	78-114	

SAMPLE DUPLICATE: 1468114

Parameter	Units	60180823001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	3.8J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch:	WET/51155	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180833001		

METHOD BLANK: 1468115 Matrix: Water

Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/27/14 11:42	

LABORATORY CONTROL SAMPLE: 1468116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.1	116	64-132	

MATRIX SPIKE SAMPLE: 1468117

Parameter	Units	60180857001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	22.5	17.0	64	64-132	

SAMPLE DUPLICATE: 1468118

Parameter	Units	60180823001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.6J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch: WET/51085

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60180833001

METHOD BLANK: 1465701

Matrix: Water

Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/23/14 14:12	

SAMPLE DUPLICATE: 1465702

Parameter	Units	60180793003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	26.0	37.0	35	10	D6

SAMPLE DUPLICATE: 1465703

Parameter	Units	60180793004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	5.0		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch: WET/51156 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180833001

SAMPLE DUPLICATE: 1468119

Parameter	Units	60180445001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch: WET/51062

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180833001

METHOD BLANK: 1465136

Matrix: Water

Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/27/14 09:09	

LABORATORY CONTROL SAMPLE: 1465137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	169	86	85-115	

SAMPLE DUPLICATE: 1465138

Parameter	Units	60180811001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	711	716	1	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch:	WETA/31500	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60180833001		

METHOD BLANK: 1466732 Matrix: Water
Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/25/14 13:24	

LABORATORY CONTROL SAMPLE: 1466733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	102	90-110	

MATRIX SPIKE SAMPLE: 1466738

Parameter	Units	60180539001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.7	2	4.1	71	90-110	M1

MATRIX SPIKE SAMPLE: 1466739

Parameter	Units	60180752002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.7	2	4.3	83	90-110	M1

SAMPLE DUPLICATE: 1466740

Parameter	Units	60180753002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

QC Batch:	WETA/31470	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180833001		

METHOD BLANK: 1464961 Matrix: Water
Associated Lab Samples: 60180833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/24/14 05:57	

LABORATORY CONTROL SAMPLE: 1464962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	47.6	95	90-110	

MATRIX SPIKE SAMPLE: 1464963

Parameter	Units	60180736001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	20000	12500	29200	73	90-110	M1

MATRIX SPIKE SAMPLE: 1464965

Parameter	Units	60180432001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	13800	5000	18200	89	90-110	M1

SAMPLE DUPLICATE: 1464964

Parameter	Units	60180290001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	17.0	15.8	7	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-042

Pace Project No.: 60180833

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180833001	T1-042	EPA 200.7	MPRP/29457	EPA 200.7	ICP/22118
60180833001	T1-042	EPA 200.7	MPRP/29506	EPA 200.7	ICP/22148
60180833001	T1-042	EPA 245.1	MERP/8947	EPA 245.1	MERC/8902
60180833001	T1-042	EPA 245.1	MERP/8970	EPA 245.1	MERC/8925
60180833001	T1-042	EPA 625	OEXT/46798	EPA 625	MSSV/15053
60180833001	T1-042	EPA 624 Low	MSV/65302		
60180833002	TRIP BLANK	EPA 624 Low	MSV/65302		
60180833001	T1-042	EPA 1664A	WET/51154		
60180833001	T1-042	EPA 1664A	WET/51155		
60180833001	T1-042	SM 2540D	WET/51085		
60180833001	T1-042	SM 4500-H+B	WET/51156		
60180833001	T1-042	SM 5210B	WET/51062	SM 5210B	WET/51152
60180833001	T1-042	EPA 350.1	WETA/31500		
60180833001	T1-042	EPA 410.4	WETA/31470		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180833



60180833

Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other Xpress

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other 2PIC

Thermometer Used: T-238 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 1.4

Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: pv 10/22/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>BOD PH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>NT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>Added 2.5 ml of H₂O₂ to 3 BPS. 5.0/2.5</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>Added 1.0 ml of H₂SO₄ to BPS. 5.0/1.0</u>
Exceptions: <u>VOA</u> , coliform, TOC, O&G, WI-DRO (water), Phenolics <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>pv</u> Lot # of added preservative <u>12513 12787</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): <u>Cover</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
		16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State:

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: mw for (APB)

Date: 10/22/14



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/20/14 10:00
Report Date: 10/21/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4103028-01**
Sample Description: **TK-2**

Collect Date: **10/20/14 05:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.12 mg/L		10/20/14 14:55	WPS	EPA 200.7 04KS
Zinc	< 0.050 mg/L		10/20/14 14:55	WPS	EPA 200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.90 mg/L		10/20/14 14:57	WPS	EPA 200.7 04KS
Zinc	7.2 mg/L		10/20/14 14:57	WPS	EPA 200.7 04KS

Sample No: **4103028-02**
Sample Description: **TK-3**

Collect Date: **10/20/14 05:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.10 mg/L		10/20/14 14:59	WPS	EPA 200.7 04KS
Zinc	< 0.050 mg/L		10/20/14 14:59	WPS	EPA 200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	0.91 mg/L		10/20/14 15:01	WPS	EPA 200.7 04KS
Zinc	7.3 mg/L		10/20/14 15:01	WPS	EPA 200.7 04KS

Sample No: **4103028-03**
Sample Description: **TK-4**

Collect Date: **10/20/14 05:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
<u>Soluble Metals - STL</u>					
Arsenic	0.097 mg/L		10/20/14 15:04	WPS	EPA 200.7 04KS
Zinc	0.083 mg/L		10/20/14 15:04	WPS	EPA 200.7 04KS
<u>Total Metals - STL</u>					
Arsenic	1.0 mg/L		10/20/14 15:06	WPS	EPA 200.7 04KS
Zinc	7.8 mg/L		10/20/14 15:06	WPS	EPA 200.7 04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/20/14 10:00
Report Date: 10/21/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Sample No: **4103028-04**
Sample Description: **Permeate**

Collect Date: **10/20/14 05:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
<u>Total Metals - STL</u>						
Arsenic	0.082 mg/L	Q2	10/20/14 15:08	WPS	EPA 200.7	04KS
Zinc	0.065 mg/L		10/20/14 15:08	WPS	EPA 200.7	04KS



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/20/14 10:00
Report Date: 10/21/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B417906 - 04 EPA 200.2 R2.8								
Blank (B417906-BLK1)			Prepared & Analyzed: 10/20/14					
Arsenic	< 0.010	mg/L						
Zinc	< 0.020	mg/L						
LCS (B417906-BS1)			Prepared & Analyzed: 10/20/14					
Arsenic	0.203	mg/L	0.2000		102	85-115		
Zinc	0.210	mg/L	0.2000		105	85-115		
Matrix Spike (B417906-MS1)			Source: 4103028-04		Prepared & Analyzed: 10/20/14			
Arsenic	0.729	mg/L	0.5000	0.0821	129	70-130		
Zinc	0.662	mg/L	0.5000	0.0654	119	70-130		
Matrix Spike Dup (B417906-MSD1)			Source: 4103028-04		Prepared & Analyzed: 10/20/14			
Arsenic	Q2 0.748	mg/L	0.5000	0.0821	133	70-130	3	20
Zinc	0.679	mg/L	0.5000	0.0654	123	70-130	2	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B417906 - 04 EPA 200.2 R2.8								
Blank (B417906-BLK1)			Prepared & Analyzed: 10/20/14					
Arsenic	< 0.010	mg/L						
Zinc	< 0.020	mg/L						
LCS (B417906-BS1)			Prepared & Analyzed: 10/20/14					
Arsenic	0.203	mg/L	0.2000		102	85-115		
Zinc	0.210	mg/L	0.2000		105	85-115		



PDC Laboratories, Inc.

3278 N Highway 67 • Florissant, MO 63033
(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977



Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Michael Keen

Date Received: 10/20/14 10:00
Report Date: 10/21/14
Customer #: 277310
PO#: 4468816

Laboratory Results

Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

- PIA PDC Laboratories - Peoria, IL
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)
- SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
- STL PDC Laboratories - St. Louis, MO
TNI Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS Lab No. E-10389
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 171050
Drinking Water Certifications: Missouri (1050)
Missouri Department of Natural Resources

Specific method revisions used for analysis are available upon request.

Q2 MSD failed %R

Certified by: Roxann Shull, Client Services Supervisor



PDC Laboratories, Inc. – St. Louis
3278 N. Highway 67 (Lindbergh)
Florissant, MO 63033
 www.pdclab.com

CHAIN OF CUSTODY RECORD
 Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected _____
 (Instructions/Sample Acceptance Policy on Reverse)

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT BLF ADDRESS _____ CITY STATE ZIP Bridgeton, MO CONTACT PERSON Natalie LaFata		PROJECT NUMBER _____ P.O. NUMBER _____ PHONE NUMBER (314) 341-3375 FAX NUMBER _____ EMAIL ADDRESS _____	MEANS SHIPPED _____ 3 ANALYSIS REQUESTED Zinc Total Zinc Diss Arsenic Total Arsenic Diss	4 (FOR LAB USE ONLY) LOGIN # 4103028 LOGGED BY: HE LAB PROJ. # _____ TEMPLATE: _____ PROJ. MGR.: _____ REMARKS _____
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT DATE COLLECTED TIME COLLECTED SAMPLE TYPE MATRIX TYPE Bottle Count		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID LCHL-LEACHATE NAL-NONAQUEOUS SOIL-SOILS		
TK-2 10-20-2014 5:45 X _____ 2				
TK-3 10-20-2014 5:45 X _____ 2				
TK-4 10-20-2014 5:45 X _____ 2				
PERMEATE 10-20-2014 5:45 X _____ 1				
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) <i>Fastrak™</i> (3 Bus. Days) 1-2 Bus. Days Same Day DATE DUE _____ RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE		The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing regardless of the sample temperature.		
7 RELINQUISHED BY: (SIGNATURE) Ryan Jones RELINQUISHED BY: (SIGNATURE) _____ RELINQUISHED BY: (SIGNATURE) _____ RELINQUISHED BY: (SIGNATURE) _____		6 DATE 10/20/14 TIME 9:16 DATE 10/20/14 TIME 9:40	RECEIVED BY: [Signature] RECEIVED BY: [Signature] RECEIVED BY: _____ RECEIVED BY: _____	8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT 23°C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N PROPER BOTTLES RECEIVED IN GOOD CONDITION Y OR N BOTTLES FILLED WITH ADEQUATE VOLUME Y OR N SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE

October 30, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

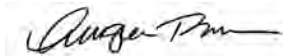
RE: Project: BRIDGETON LF T1-043
Pace Project No.: 60180849

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 22, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180849001	T1-043	Water	10/21/14 10:52	10/22/14 02:50
60180849002	TRIP BLANK	Water	10/21/14 10:52	10/22/14 02:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180849001	T1-043	EPA 200.7	JGP, TDS	15
		EPA 200.7	JGP	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	JML	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60180849002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

Sample: T1-043		Lab ID: 60180849001	Collected: 10/21/14 10:52	Received: 10/22/14 02:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	3090	ug/L	375	1	10/23/14 14:00	10/24/14 16:11	7429-90-5	
Antimony	ND	ug/L	50.0	1	10/23/14 14:00	10/24/14 16:11	7440-36-0	
Arsenic	400	ug/L	50.0	1	10/23/14 14:00	10/24/14 16:11	7440-38-2	
Beryllium	ND	ug/L	5.0	1	10/23/14 14:00	10/24/14 16:11	7440-41-7	
Cadmium	ND	ug/L	25.0	1	10/23/14 14:00	10/24/14 16:11	7440-43-9	
Chromium	118	ug/L	25.0	1	10/23/14 14:00	10/24/14 16:11	7440-47-3	
Cobalt	ND	ug/L	25.0	1	10/23/14 14:00	10/24/14 16:11	7440-48-4	
Copper	ND	ug/L	50.0	1	10/23/14 14:00	10/24/14 16:11	7440-50-8	
Iron	24300	ug/L	250	1	10/23/14 14:00	10/24/14 16:11	7439-89-6	M1
Lead	59.3	ug/L	25.0	1	10/23/14 14:00	10/24/14 16:11	7439-92-1	
Nickel	75.8	ug/L	25.0	1	10/23/14 14:00	10/24/14 16:11	7440-02-0	
Selenium	ND	ug/L	75.0	1	10/23/14 14:00	10/24/14 16:11	7782-49-2	
Silver	ND	ug/L	35.0	1	10/23/14 14:00	10/24/14 16:11	7440-22-4	
Thallium	ND	ug/L	100	1	10/23/14 14:00	10/24/14 16:11	7440-28-0	
Zinc	2380	ug/L	250	1	10/23/14 14:00	10/27/14 11:06	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND	ug/L	375	1	10/27/14 15:30	10/28/14 18:10	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	10/27/14 15:30	10/28/14 18:10	7440-36-0	
Arsenic, Dissolved	242	ug/L	50.0	1	10/27/14 15:30	10/28/14 18:10	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	10/27/14 15:30	10/28/14 18:10	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	10/27/14 15:30	10/28/14 18:10	7440-43-9	
Chromium, Dissolved	57.4	ug/L	25.0	1	10/27/14 15:30	10/28/14 18:10	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	10/27/14 15:30	10/28/14 18:10	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	10/27/14 15:30	10/28/14 18:10	7440-50-8	
Iron, Dissolved	38400	ug/L	250	1	10/27/14 15:30	10/28/14 18:10	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	10/27/14 15:30	10/28/14 18:10	7439-92-1	
Nickel, Dissolved	46.8	ug/L	25.0	1	10/27/14 15:30	10/28/14 18:10	7440-02-0	
Selenium, Dissolved	ND	ug/L	75.0	1	10/27/14 15:30	10/28/14 18:10	7782-49-2	
Silver, Dissolved	ND	ug/L	35.0	1	10/27/14 15:30	10/28/14 18:10	7440-22-4	
Thallium, Dissolved	ND	ug/L	100	1	10/27/14 15:30	10/28/14 18:10	7440-28-0	
Zinc, Dissolved	369	ug/L	250	1	10/27/14 15:30	10/28/14 18:10	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	6.0	1	10/23/14 14:20	10/24/14 09:28	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	10/27/14 16:30	10/28/14 09:29	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	2500	1	10/23/14 00:00	10/24/14 15:34	534-52-1	
Hexachloro-1,3-butadiene	ND	ug/L	500	1	10/23/14 00:00	10/24/14 15:34	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	500	1	10/23/14 00:00	10/24/14 15:34	77-47-4	
Hexachloroethane	ND	ug/L	500	1	10/23/14 00:00	10/24/14 15:34	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1000	1	10/23/14 00:00	10/24/14 15:34	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2080	ug/L	2000	1	10/23/14 00:00	10/24/14 15:34		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

Sample: T1-043		Lab ID: 60180849001	Collected: 10/21/14 10:52	Received: 10/22/14 02:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:34	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:34	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:34	87-86-5	L3
Phenol	3050 ug/L		500	1	10/23/14 00:00	10/24/14 15:34	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:34	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:34	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	99 %		33-120	1	10/23/14 00:00	10/24/14 15:34	4165-60-0	
2-Fluorobiphenyl (S)	81 %		39-120	1	10/23/14 00:00	10/24/14 15:34	321-60-8	
Terphenyl-d14 (S)	81 %		45-120	1	10/23/14 00:00	10/24/14 15:34	1718-51-0	
Phenol-d6 (S)	33 %		11-120	1	10/23/14 00:00	10/24/14 15:34	13127-88-3	
2-Fluorophenol (S)	42 %		17-120	1	10/23/14 00:00	10/24/14 15:34	367-12-4	
2,4,6-Tribromophenol (S)	67 %		39-120	1	10/23/14 00:00	10/24/14 15:34	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	69300 ug/L		1000	100		10/24/14 09:03	67-64-1	N2
Benzene	ND ug/L		100	100		10/24/14 09:03	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/24/14 09:03	75-27-4	
Bromoform	ND ug/L		100	100		10/24/14 09:03	75-25-2	
Bromomethane	ND ug/L		500	100		10/24/14 09:03	74-83-9	
2-Butanone (MEK)	37100 ug/L		1000	100		10/24/14 09:03	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/24/14 09:03	56-23-5	
Chloroethane	ND ug/L		100	100		10/24/14 09:03	75-00-3	
Chloroform	ND ug/L		100	100		10/24/14 09:03	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/24/14 09:03	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/24/14 09:03	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/24/14 09:03	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/24/14 09:03	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/24/14 09:03	100-41-4	
Methylene chloride	ND ug/L		100	100		10/24/14 09:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/24/14 09:03	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/24/14 09:03	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/24/14 09:03	127-18-4	
Toluene	ND ug/L		100	100		10/24/14 09:03	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/24/14 09:03	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/24/14 09:03	79-00-5	
Trichloroethene	ND ug/L		100	100		10/24/14 09:03	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/24/14 09:03	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/24/14 09:03	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	106 %		80-120	100		10/24/14 09:03	460-00-4	
Toluene-d8 (S)	94 %		80-120	100		10/24/14 09:03	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	100		10/24/14 09:03	17060-07-0	
Preservation pH	6.0		1.0	100		10/24/14 09:03		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	106 mg/L		5.0	1		10/27/14 11:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

Sample: T1-043		Lab ID: 60180849001	Collected: 10/21/14 10:52	Received: 10/22/14 02:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	7.2	mg/L	5.0	1		10/27/14 11:42		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	2880	mg/L	5.0	1		10/23/14 10:06		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.1	Std. Units	0.10	1		10/27/14 09:30		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	8910	mg/L	2.0	1	10/23/14 09:34	10/28/14 10:07		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	138	mg/L	10.0	100		10/25/14 13:51	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	20300	mg/L	2500	250		10/29/14 14:11		M1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

Sample: TRIP BLANK		Lab ID: 60180849002	Collected: 10/21/14 10:52	Received: 10/22/14 02:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/24/14 09:46	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/24/14 09:46	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/24/14 09:46	75-27-4	
Bromoform	ND ug/L		1.0	1		10/24/14 09:46	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/24/14 09:46	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/24/14 09:46	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/24/14 09:46	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/24/14 09:46	75-00-3	
Chloroform	ND ug/L		1.0	1		10/24/14 09:46	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/24/14 09:46	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/24/14 09:46	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/24/14 09:46	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/24/14 09:46	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/24/14 09:46	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/24/14 09:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/24/14 09:46	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/24/14 09:46	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/24/14 09:46	127-18-4	
Toluene	ND ug/L		1.0	1		10/24/14 09:46	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/24/14 09:46	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/24/14 09:46	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/24/14 09:46	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/24/14 09:46	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/24/14 09:46	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	101 %		80-120	1		10/24/14 09:46	460-00-4	
Toluene-d8 (S)	97 %		80-120	1		10/24/14 09:46	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	1		10/24/14 09:46	17060-07-0	
Preservation pH	6.0		1.0	1		10/24/14 09:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch: MERP/8947

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60180849001

METHOD BLANK: 1465754

Matrix: Water

Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/24/14 09:20	

LABORATORY CONTROL SAMPLE: 1465755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	93	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1465756 1465757

Parameter	Units	60180906003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.7	4.8	93	95	70-130	2	20	

MATRIX SPIKE SAMPLE: 1465758

Parameter	Units	60180912002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.5	90	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch:	MERP/8970	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60180849001		

METHOD BLANK: 1468210 Matrix: Water
Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/28/14 09:18	

LABORATORY CONTROL SAMPLE: 1468211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.1	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468212 1468213

Parameter	Units	60180833001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	87.6	86.7	58	58	70-130	1	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043
Pace Project No.: 60180849

QC Batch: MPRP/29457 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 60180849001

METHOD BLANK: 1465988 Matrix: Water
Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/24/14 16:00	
Antimony	ug/L	ND	10.0	10/24/14 16:00	
Arsenic	ug/L	ND	10.0	10/24/14 16:00	
Beryllium	ug/L	ND	1.0	10/24/14 16:00	
Cadmium	ug/L	ND	5.0	10/24/14 16:00	
Chromium	ug/L	ND	5.0	10/24/14 16:00	
Cobalt	ug/L	ND	5.0	10/24/14 16:00	
Copper	ug/L	ND	10.0	10/24/14 16:00	
Iron	ug/L	ND	50.0	10/24/14 16:00	
Lead	ug/L	ND	5.0	10/24/14 16:00	
Nickel	ug/L	ND	5.0	10/24/14 16:00	
Selenium	ug/L	ND	15.0	10/24/14 16:00	
Silver	ug/L	ND	7.0	10/24/14 16:00	
Thallium	ug/L	ND	20.0	10/24/14 16:00	
Zinc	ug/L	ND	50.0	10/27/14 10:45	

LABORATORY CONTROL SAMPLE: 1465989

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10400	104	85-115	
Antimony	ug/L	1000	1010	101	85-115	
Arsenic	ug/L	1000	977	98	85-115	
Beryllium	ug/L	1000	1030	103	85-115	
Cadmium	ug/L	1000	1010	101	85-115	
Chromium	ug/L	1000	1090	109	85-115	
Cobalt	ug/L	1000	1070	107	85-115	
Copper	ug/L	1000	995	100	85-115	
Iron	ug/L	10000	10600	106	85-115	
Lead	ug/L	1000	1050	105	85-115	
Nickel	ug/L	1000	1060	106	85-115	
Selenium	ug/L	1000	1000	100	85-115	
Silver	ug/L	500	515	103	85-115	
Thallium	ug/L	1000	995	99	85-115	
Zinc	ug/L	1000	956	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1465990												1465991	
Parameter	Units	60180833001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Aluminum	ug/L	4640	50000	50000	60400	58400	112	108	70-130	3	8		
Antimony	ug/L	ND	5000	5000	5360	5220	107	104	70-130	3	7		
Arsenic	ug/L	441	5000	5000	5800	5640	107	104	70-130	3	10		
Beryllium	ug/L	ND	5000	5000	5200	5060	104	101	70-130	3	7		
Cadmium	ug/L	ND	5000	5000	5350	5220	107	104	70-130	2	10		
Chromium	ug/L	138	5000	5000	5520	5420	108	106	70-130	2	10		
Cobalt	ug/L	ND	5000	5000	5290	5200	105	104	70-130	2	6		
Copper	ug/L	ND	5000	5000	5320	5220	106	104	70-130	2	11		
Iron	ug/L	374000	50000	50000	427000	401000	106	53	70-130	6	10	M1	
Lead	ug/L	72.8	5000	5000	5140	5040	101	99	70-130	2	10		
Nickel	ug/L	81.0	5000	5000	5240	5140	103	101	70-130	2	10		
Selenium	ug/L	ND	5000	5000	5500	5360	110	107	70-130	3	10		
Silver	ug/L	ND	2500	2500	2720	2660	108	106	70-130	2	10		
Thallium	ug/L	ND	5000	5000	4590	4530	92	91	70-130	1	6		
Zinc	ug/L	2710	5000	5000	7500	7240	96	91	70-130	4	11		

MATRIX SPIKE SAMPLE: 1465992											
Parameter	Units	60180849001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	3090	50000
Antimony	ug/L	ND	5000	5340	107	70-130					
Arsenic	ug/L	400	5000	5710	106	70-130					
Beryllium	ug/L	ND	5000	5160	103	70-130					
Cadmium	ug/L	ND	5000	5310	106	70-130					
Chromium	ug/L	118	5000	5520	108	70-130					
Cobalt	ug/L	ND	5000	5280	105	70-130					
Copper	ug/L	ND	5000	5320	106	70-130					
Iron	ug/L	243000	50000	210000	-67	70-130	M1				
Lead	ug/L	59.3	5000	5080	101	70-130					
Nickel	ug/L	75.8	5000	5240	103	70-130					
Selenium	ug/L	ND	5000	5430	109	70-130					
Silver	ug/L	ND	2500	2720	109	70-130					
Thallium	ug/L	ND	5000	4650	93	70-130					
Zinc	ug/L	2380	5000	6940	91	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch: MPRP/29506

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180849001

METHOD BLANK: 1468315

Matrix: Water

Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/28/14 17:56	
Antimony, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Arsenic, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Beryllium, Dissolved	ug/L	ND	1.0	10/28/14 17:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Chromium, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Cobalt, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Copper, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Iron, Dissolved	ug/L	ND	50.0	10/28/14 17:56	
Lead, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Nickel, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Selenium, Dissolved	ug/L	ND	15.0	10/28/14 17:56	
Silver, Dissolved	ug/L	ND	7.0	10/28/14 17:56	
Thallium, Dissolved	ug/L	ND	20.0	10/28/14 17:56	
Zinc, Dissolved	ug/L	ND	50.0	10/28/14 17:56	

LABORATORY CONTROL SAMPLE: 1468316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10300	103	85-115	
Antimony, Dissolved	ug/L	1000	1060	106	85-115	
Arsenic, Dissolved	ug/L	1000	1020	102	85-115	
Beryllium, Dissolved	ug/L	1000	1020	102	85-115	
Cadmium, Dissolved	ug/L	1000	1040	104	85-115	
Chromium, Dissolved	ug/L	1000	1020	102	85-115	
Cobalt, Dissolved	ug/L	1000	1060	106	85-115	
Copper, Dissolved	ug/L	1000	1030	103	85-115	
Iron, Dissolved	ug/L	10000	10100	101	85-115	
Lead, Dissolved	ug/L	1000	1010	101	85-115	
Nickel, Dissolved	ug/L	1000	1050	105	85-115	
Selenium, Dissolved	ug/L	1000	1030	103	85-115	
Silver, Dissolved	ug/L	500	514	103	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	1010	101	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468317												1468318	
Parameter	Units	60180833001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Aluminum, Dissolved	ug/L	419	50000	50000	51800	51600	103	102	70-130	0	8		
Antimony, Dissolved	ug/L	ND	5000	5000	5420	5460	108	109	70-130	1	7		
Arsenic, Dissolved	ug/L	352	5000	5000	5600	5640	105	106	70-130	1	10		
Beryllium, Dissolved	ug/L	ND	5000	5000	5120	5110	102	102	70-130	0	7		
Cadmium, Dissolved	ug/L	ND	5000	5000	5250	5260	105	105	70-130	0	10		
Chromium, Dissolved	ug/L	82.2	5000	5000	5060	5040	100	99	70-130	0	10		
Cobalt, Dissolved	ug/L	ND	5000	5000	5120	5120	102	102	70-130	0	6		
Copper, Dissolved	ug/L	ND	5000	5000	5220	5200	104	104	70-130	0	11		
Iron, Dissolved	ug/L	111000	50000	50000	143000	144000	64	66	70-130	1	10	M1	
Lead, Dissolved	ug/L	ND	5000	5000	4800	4800	96	96	70-130	0	10		
Nickel, Dissolved	ug/L	65.4	5000	5000	5060	5060	100	100	70-130	0	10		
Selenium, Dissolved	ug/L	ND	5000	5000	5380	5420	108	108	70-130	1	10		
Silver, Dissolved	ug/L	ND	2500	2500	2660	2640	106	105	70-130	1	10		
Thallium, Dissolved	ug/L	ND	5000	5000	4670	4670	93	93	70-130	0	6		
Zinc, Dissolved	ug/L	469	5000	5000	5220	5200	95	95	70-130	0	11		

MATRIX SPIKE SAMPLE: 1468319		60180972001	Spike	MS	MS	% Rec		
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
Aluminum, Dissolved	ug/L		ND	10000	10300	103	70-130	
Antimony, Dissolved	ug/L		ND	1000	1070	107	70-130	
Arsenic, Dissolved	ug/L		ND	1000	1040	104	70-130	
Beryllium, Dissolved	ug/L		ND	1000	1030	103	70-130	
Cadmium, Dissolved	ug/L		ND	1000	1040	103	70-130	
Chromium, Dissolved	ug/L		2.2J	1000	994	99	70-130	
Cobalt, Dissolved	ug/L		ND	1000	1040	103	70-130	
Copper, Dissolved	ug/L		ND	1000	1040	104	70-130	
Iron, Dissolved	ug/L		ND	10000	9820	98	70-130	
Lead, Dissolved	ug/L		ND	1000	988	99	70-130	
Nickel, Dissolved	ug/L		ND	1000	1020	102	70-130	
Selenium, Dissolved	ug/L		ND	1000	1030	103	70-130	
Silver, Dissolved	ug/L		ND	500	515	103	70-130	
Thallium, Dissolved	ug/L		ND	1000	1010	101	70-130	
Zinc, Dissolved	ug/L		ND	1000	966	97	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch: MSV/65302 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60180849001, 60180849002

METHOD BLANK: 1465995 Matrix: Water

Associated Lab Samples: 60180849001, 60180849002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/24/14 06:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/24/14 06:42	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/24/14 06:42	
1,2-Dichloroethane	ug/L	ND	1.0	10/24/14 06:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/24/14 06:42	
2-Butanone (MEK)	ug/L	ND	10.0	10/24/14 06:42	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/24/14 06:42	N2
Acetone	ug/L	ND	10.0	10/24/14 06:42	N2
Benzene	ug/L	ND	1.0	10/24/14 06:42	
Bromodichloromethane	ug/L	ND	1.0	10/24/14 06:42	
Bromoform	ug/L	ND	1.0	10/24/14 06:42	
Bromomethane	ug/L	ND	5.0	10/24/14 06:42	
Carbon tetrachloride	ug/L	ND	1.0	10/24/14 06:42	
Chloroethane	ug/L	ND	1.0	10/24/14 06:42	
Chloroform	ug/L	ND	1.0	10/24/14 06:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/24/14 06:42	N2
Ethylbenzene	ug/L	ND	1.0	10/24/14 06:42	
Methylene chloride	ug/L	ND	1.0	10/24/14 06:42	
Tetrachloroethene	ug/L	ND	1.0	10/24/14 06:42	
Toluene	ug/L	ND	1.0	10/24/14 06:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/24/14 06:42	
Trichloroethene	ug/L	ND	1.0	10/24/14 06:42	
Vinyl chloride	ug/L	ND	1.0	10/24/14 06:42	
Xylene (Total)	ug/L	ND	3.0	10/24/14 06:42	N2
1,2-Dichloroethane-d4 (S)	%	105	80-120	10/24/14 06:42	
4-Bromofluorobenzene (S)	%	109	80-120	10/24/14 06:42	
Toluene-d8 (S)	%	93	80-120	10/24/14 06:42	

LABORATORY CONTROL SAMPLE: 1465996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.9	115	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	22.2	111	67-127	N2
1,1,2-Trichloroethane	ug/L	20	23.3	117	67-124	
1,2-Dichloroethane	ug/L	20	24.1	120	70-126	
1,4-Dichlorobenzene	ug/L	20	23.1	116	74-120	
2-Butanone (MEK)	ug/L	100	104	104	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.9	100	59-131	N2
Acetone	ug/L	100	95.2	95	38-134	N2
Benzene	ug/L	20	21.5	108	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

LABORATORY CONTROL SAMPLE: 1465996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	22.9	114	68-125	
Bromoform	ug/L	20	23.7	119	65-127	
Bromomethane	ug/L	20	23.3	116	13-157	
Carbon tetrachloride	ug/L	20	23.2	116	70-131	
Chloroethane	ug/L	20	18.2	91	47-133	
Chloroform	ug/L	20	23.8	119	65-127	
cis-1,2-Dichloroethene	ug/L	20	24.1	121	68-127	N2
Ethylbenzene	ug/L	20	22.5	112	74-122	
Methylene chloride	ug/L	20	17.5	88	64-129	
Tetrachloroethene	ug/L	20	23.8	119	73-125	
Toluene	ug/L	20	20.6	103	69-126	
trans-1,2-Dichloroethene	ug/L	20	21.6	108	66-129	
Trichloroethene	ug/L	20	23.2	116	71-123	
Vinyl chloride	ug/L	20	20.1	101	43-129	
Xylene (Total)	ug/L	60	67.4	112	75-121	N2
1,2-Dichloroethane-d4 (S)	%			110	80-120	
4-Bromofluorobenzene (S)	%			105	80-120	
Toluene-d8 (S)	%			95	80-120	

MATRIX SPIKE SAMPLE: 1465997

Parameter	Units	60180833001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2390	120	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2390	120	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2350	118	52-143	
1,2-Dichloroethane	ug/L	ND	2000	2240	112	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2240	109	33-140	
2-Butanone (MEK)	ug/L	36200	10000	44800	86	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	9890	95	40-160	N2
Acetone	ug/L	71600	10000	75200	36	10-160	N2
Benzene	ug/L	ND	2000	2190	109	37-151	
Bromodichloromethane	ug/L	ND	2000	2270	113	35-142	
Bromoform	ug/L	ND	2000	2390	120	45-142	
Bromomethane	ug/L	ND	2000	2020	101	10-158	
Carbon tetrachloride	ug/L	ND	2000	2490	125	70-140	
Chloroethane	ug/L	ND	2000	1610	80	19-152	
Chloroform	ug/L	ND	2000	2290	114	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2320	116	34-147	N2
Ethylbenzene	ug/L	ND	2000	2220	111	40-142	
Methylene chloride	ug/L	ND	2000	1680	83	31-144	
Tetrachloroethene	ug/L	ND	2000	2310	116	64-148	
Toluene	ug/L	ND	2000	2020	100	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	1930	97	54-151	
Trichloroethene	ug/L	ND	2000	2200	110	71-149	
Vinyl chloride	ug/L	ND	2000	1700	85	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

MATRIX SPIKE SAMPLE: 1465997		60180833001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6580	110	37-144	N2
1,2-Dichloroethane-d4 (S)	%				106	80-120	
4-Bromofluorobenzene (S)	%				107	80-120	
Toluene-d8 (S)	%				94	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043
Pace Project No.: 60180849

QC Batch: OEXT/46798 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 60180849001

METHOD BLANK: 1465912 Matrix: Water
Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/24/14 14:09	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/24/14 14:09	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/24/14 14:09	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/24/14 14:09	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/24/14 14:09	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/24/14 14:09	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/24/14 14:09	
Hexachloroethane	ug/L	ND	5.0	10/24/14 14:09	
Naphthalene	ug/L	ND	5.0	10/24/14 14:09	
Nitrobenzene	ug/L	ND	5.0	10/24/14 14:09	
Pentachlorophenol	ug/L	ND	5.0	10/24/14 14:09	
Phenol	ug/L	ND	5.0	10/24/14 14:09	
2,4,6-Tribromophenol (S)	%	61	39-120	10/24/14 14:09	
2-Fluorobiphenyl (S)	%	78	39-120	10/24/14 14:09	
2-Fluorophenol (S)	%	47	17-120	10/24/14 14:09	
Nitrobenzene-d5 (S)	%	85	33-120	10/24/14 14:09	
Phenol-d6 (S)	%	32	11-120	10/24/14 14:09	
Terphenyl-d14 (S)	%	75	45-120	10/24/14 14:09	

LABORATORY CONTROL SAMPLE: 1465913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.2	84	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.9	100	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	38.1	76	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	36.3	73	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	45.8	92	40-133	
Hexachloro-1,3-butadiene	ug/L	50	40.4	81	44-116	
Hexachlorocyclopentadiene	ug/L	100	40.9	41	24-120	
Hexachloroethane	ug/L	50	44.2	88	43-113	
Naphthalene	ug/L	50	47.2	94	48-120	
Nitrobenzene	ug/L	50	52.0	104	48-120	
Pentachlorophenol	ug/L	50	108	216	47-120	L0
Phenol	ug/L	50	19.7	39	16-112	
2,4,6-Tribromophenol (S)	%			72	39-120	
2-Fluorobiphenyl (S)	%			93	39-120	
2-Fluorophenol (S)	%			50	17-120	
Nitrobenzene-d5 (S)	%			98	33-120	
Phenol-d6 (S)	%			35	11-120	
Terphenyl-d14 (S)	%			88	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

MATRIX SPIKE SAMPLE:		1465914					
Parameter	Units	60180833001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3510	70	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4380	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3310	66	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	5000	4930	61	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	3910	78	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3340	67	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	3810	38	11-120	
Hexachloroethane	ug/L	ND	5000	3700	74	40-113	
Naphthalene	ug/L	ND	5000	4070	78	45-120	
Nitrobenzene	ug/L	ND	5000	4780	96	38-120	
Pentachlorophenol	ug/L	ND	5000	10300	206	43-135	M0
Phenol	ug/L	2790	5000	4710	38	13-112	
2,4,6-Tribromophenol (S)	%				65	39-120	
2-Fluorobiphenyl (S)	%				82	39-120	
2-Fluorophenol (S)	%				40	17-120	
Nitrobenzene-d5 (S)	%				95	33-120	
Phenol-d6 (S)	%				29	11-120	
Terphenyl-d14 (S)	%				78	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch:	WET/51154	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180849001		

METHOD BLANK: 1468111 Matrix: Water

Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/27/14 11:35	

LABORATORY CONTROL SAMPLE: 1468112

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.8	97	78-114	

MATRIX SPIKE SAMPLE: 1468113

Parameter	Units	60180857001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	21.2	44.9	61.9	91	78-114	

SAMPLE DUPLICATE: 1468114

Parameter	Units	60180823001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	3.8J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch:	WET/51155	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180849001		

METHOD BLANK: 1468115 Matrix: Water
Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/27/14 11:42	

LABORATORY CONTROL SAMPLE: 1468116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.1	116	64-132	

MATRIX SPIKE SAMPLE: 1468117

Parameter	Units	60180857001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	22.5	17.0	64	64-132	

SAMPLE DUPLICATE: 1468118

Parameter	Units	60180823001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.6J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch: WET/51088

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60180849001

METHOD BLANK: 1465720

Matrix: Water

Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/23/14 10:02	

SAMPLE DUPLICATE: 1465721

Parameter	Units	60180810001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	236	232	2	10	

SAMPLE DUPLICATE: 1465722

Parameter	Units	60180835002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	158	154	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch: WET/51156 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180849001

SAMPLE DUPLICATE: 1468119

Parameter	Units	60180445001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch: WET/51084

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180849001

METHOD BLANK: 1465672

Matrix: Water

Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/28/14 08:28	

LABORATORY CONTROL SAMPLE: 1465673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	181	92	85-115	

SAMPLE DUPLICATE: 1465674

Parameter	Units	60180867001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	35.6	35.0	2	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch: WETA/31500

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60180849001

METHOD BLANK: 1466732

Matrix: Water

Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/25/14 13:24	

LABORATORY CONTROL SAMPLE: 1466733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	102	90-110	

MATRIX SPIKE SAMPLE: 1466738

Parameter	Units	60180539001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.7	2	4.1	71	90-110	M1

MATRIX SPIKE SAMPLE: 1466739

Parameter	Units	60180752002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.7	2	4.3	83	90-110	M1

SAMPLE DUPLICATE: 1466740

Parameter	Units	60180753002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

QC Batch:	WETA/31540	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180849001		

METHOD BLANK: 1468456 Matrix: Water
Associated Lab Samples: 60180849001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/29/14 14:10	

LABORATORY CONTROL SAMPLE: 1468457

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	45.9	92	90-110	

MATRIX SPIKE SAMPLE: 1468458

Parameter	Units	60180849001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	20300	12500	31100	86	90-110	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-043

Pace Project No.: 60180849

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180849001	T1-043	EPA 200.7	MPRP/29457	EPA 200.7	ICP/22118
60180849001	T1-043	EPA 200.7	MPRP/29506	EPA 200.7	ICP/22148
60180849001	T1-043	EPA 245.1	MERP/8947	EPA 245.1	MERC/8902
60180849001	T1-043	EPA 245.1	MERP/8970	EPA 245.1	MERC/8925
60180849001	T1-043	EPA 625	OEXT/46798	EPA 625	MSSV/15053
60180849001	T1-043	EPA 624 Low	MSV/65302		
60180849002	TRIP BLANK	EPA 624 Low	MSV/65302		
60180849001	T1-043	EPA 1664A	WET/51154		
60180849001	T1-043	EPA 1664A	WET/51155		
60180849001	T1-043	SM 2540D	WET/51088		
60180849001	T1-043	SM 4500-H+B	WET/51156		
60180849001	T1-043	SM 5210B	WET/51084	SM 5210B	WET/51198
60180849001	T1-043	EPA 350.1	WETA/31500		
60180849001	T1-043	EPA 410.4	WETA/31540		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180849



Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other Xroad

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other 12PIC

Thermometer Used: T-239 T-194 Type of Ice: Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 3.0

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: PV 10/22/14

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>BOD PH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Includes date/time/ID/analyses Matrix: <u>WT</u>		13. <u>2010/22/14</u>
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>Added 2.5 mL of HNO3 to BP3M. 5.0/2.5</u> <u>Added 1.0 mL of H2SO4 to BP35. 4.0/1.0</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: <u>VOA</u> , coliform, TOC, <u>D&G</u> , WI-DRO (water) Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>PV</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative <u>12513</u> <u>12782</u>
Pace Trip Blank lot # (if purchased): <u>COVER</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State:

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: mld AKB

Date: 10/22/14

October 30, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

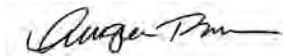
RE: Project: BRIDGETON LF T1-044
Pace Project No.: 60180968

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 23, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60180968001	T1-044	Water	10/22/14 09:15	10/23/14 02:35
60180968002	TRIP BLANK	Water	10/22/14 09:15	10/23/14 02:35

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60180968001	T1-044	EPA 200.7	JGP	15
		EPA 200.7	JGP	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	JML	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
60180968002	TRIP BLANK	EPA 624 Low	EAK	28

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

Sample: T1-044	Lab ID: 60180968001	Collected: 10/22/14 09:15	Received: 10/23/14 02:35	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	4950 ug/L		375	1	10/29/14 09:30	10/29/14 17:46	7429-90-5	
Antimony	ND ug/L		50.0	1	10/29/14 09:30	10/29/14 17:46	7440-36-0	
Arsenic	409 ug/L		50.0	1	10/29/14 09:30	10/29/14 17:46	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/29/14 09:30	10/29/14 17:46	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/29/14 09:30	10/29/14 17:46	7440-43-9	
Chromium	122 ug/L		25.0	1	10/29/14 09:30	10/29/14 17:46	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/29/14 09:30	10/29/14 17:46	7440-48-4	
Copper	ND ug/L		50.0	1	10/29/14 09:30	10/29/14 17:46	7440-50-8	
Iron	30200 ug/L		250	1	10/29/14 09:30	10/29/14 17:46	7439-89-6	
Lead	74.4 ug/L		25.0	1	10/29/14 09:30	10/29/14 17:46	7439-92-1	
Nickel	69.8 ug/L		25.0	1	10/29/14 09:30	10/29/14 17:46	7440-02-0	
Selenium	ND ug/L		75.0	1	10/29/14 09:30	10/29/14 17:46	7782-49-2	
Silver	ND ug/L		35.0	1	10/29/14 09:30	10/29/14 17:46	7440-22-4	
Thallium	ND ug/L		100	1	10/29/14 09:30	10/29/14 17:46	7440-28-0	
Zinc	3010 ug/L		250	1	10/29/14 09:30	10/29/14 17:46	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/27/14 15:30	10/28/14 18:21	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/27/14 15:30	10/28/14 18:21	7440-36-0	
Arsenic, Dissolved	289 ug/L		50.0	1	10/27/14 15:30	10/28/14 18:21	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/27/14 15:30	10/28/14 18:21	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/27/14 15:30	10/28/14 18:21	7440-43-9	
Chromium, Dissolved	68.6 ug/L		25.0	1	10/27/14 15:30	10/28/14 18:21	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/27/14 15:30	10/28/14 18:21	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/27/14 15:30	10/28/14 18:21	7440-50-8	
Iron, Dissolved	47300 ug/L		250	1	10/27/14 15:30	10/28/14 18:21	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	10/27/14 15:30	10/28/14 18:21	7439-92-1	
Nickel, Dissolved	57.2 ug/L		25.0	1	10/27/14 15:30	10/28/14 18:21	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/27/14 15:30	10/28/14 18:21	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/27/14 15:30	10/28/14 18:21	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/27/14 15:30	10/28/14 18:21	7440-28-0	
Zinc, Dissolved	457 ug/L		250	1	10/27/14 15:30	10/28/14 18:21	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	39.9 ug/L		6.0	1	10/24/14 16:05	10/25/14 12:29	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/27/14 16:30	10/28/14 09:31	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/23/14 00:00	10/24/14 15:55	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:55	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:55	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:55	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/23/14 00:00	10/24/14 15:55	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2650 ug/L		2000	1	10/23/14 00:00	10/24/14 15:55		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

Sample: T1-044		Lab ID: 60180968001	Collected: 10/22/14 09:15	Received: 10/23/14 02:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:55	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:55	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:55	87-86-5	L3
Phenol	4010 ug/L		500	1	10/23/14 00:00	10/24/14 15:55	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:55	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/23/14 00:00	10/24/14 15:55	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	114 %		33-120	1	10/23/14 00:00	10/24/14 15:55	4165-60-0	
2-Fluorobiphenyl (S)	88 %		39-120	1	10/23/14 00:00	10/24/14 15:55	321-60-8	
Terphenyl-d14 (S)	83 %		45-120	1	10/23/14 00:00	10/24/14 15:55	1718-51-0	
Phenol-d6 (S)	35 %		11-120	1	10/23/14 00:00	10/24/14 15:55	13127-88-3	
2-Fluorophenol (S)	44 %		17-120	1	10/23/14 00:00	10/24/14 15:55	367-12-4	
2,4,6-Tribromophenol (S)	66 %		39-120	1	10/23/14 00:00	10/24/14 15:55	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	65400 ug/L		1000	100		10/24/14 09:17	67-64-1	N2
Benzene	ND ug/L		100	100		10/24/14 09:17	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/24/14 09:17	75-27-4	
Bromoform	ND ug/L		100	100		10/24/14 09:17	75-25-2	
Bromomethane	ND ug/L		500	100		10/24/14 09:17	74-83-9	
2-Butanone (MEK)	34600 ug/L		1000	100		10/24/14 09:17	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/24/14 09:17	56-23-5	
Chloroethane	ND ug/L		100	100		10/24/14 09:17	75-00-3	
Chloroform	ND ug/L		100	100		10/24/14 09:17	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/24/14 09:17	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/24/14 09:17	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/24/14 09:17	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/24/14 09:17	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/24/14 09:17	100-41-4	
Methylene chloride	ND ug/L		100	100		10/24/14 09:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/24/14 09:17	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/24/14 09:17	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/24/14 09:17	127-18-4	
Toluene	ND ug/L		100	100		10/24/14 09:17	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/24/14 09:17	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/24/14 09:17	79-00-5	
Trichloroethene	ND ug/L		100	100		10/24/14 09:17	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/24/14 09:17	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/24/14 09:17	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	105 %		80-120	100		10/24/14 09:17	460-00-4	
Toluene-d8 (S)	94 %		80-120	100		10/24/14 09:17	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	100		10/24/14 09:17	17060-07-0	
Preservation pH	6.0		1.0	100		10/24/14 09:17		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	116 mg/L		5.0	1		10/27/14 11:37		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

Sample: T1-044		Lab ID: 60180968001	Collected: 10/22/14 09:15	Received: 10/23/14 02:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/27/14 11:43		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3460	mg/L	5.0	1		10/28/14 14:54		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.2	Std. Units	0.10	1		10/30/14 14:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	7710	mg/L	2.0	1	10/23/14 15:20	10/28/14 15:34		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	131	mg/L	10.0	100		10/25/14 13:52	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	17900	mg/L	2500	250		10/29/14 14:17		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

Sample: TRIP BLANK		Lab ID: 60180968002	Collected: 10/22/14 09:15	Received: 10/23/14 02:35	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/24/14 10:00	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/24/14 10:00	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/24/14 10:00	75-27-4	
Bromoform	ND ug/L		1.0	1		10/24/14 10:00	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/24/14 10:00	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/24/14 10:00	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/24/14 10:00	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/24/14 10:00	75-00-3	
Chloroform	ND ug/L		1.0	1		10/24/14 10:00	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/24/14 10:00	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/24/14 10:00	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/24/14 10:00	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/24/14 10:00	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/24/14 10:00	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/24/14 10:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/24/14 10:00	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/24/14 10:00	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/24/14 10:00	127-18-4	
Toluene	ND ug/L		1.0	1		10/24/14 10:00	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/24/14 10:00	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/24/14 10:00	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/24/14 10:00	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/24/14 10:00	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/24/14 10:00	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	102 %		80-120	1		10/24/14 10:00	460-00-4	
Toluene-d8 (S)	96 %		80-120	1		10/24/14 10:00	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	1		10/24/14 10:00	17060-07-0	
Preservation pH	6.0		1.0	1		10/24/14 10:00		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch: MERP/8954

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60180968001

METHOD BLANK: 1466727

Matrix: Water

Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/25/14 12:25	

LABORATORY CONTROL SAMPLE: 1466728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.6	92	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1466729 1466730

Parameter	Units	60180968001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	39.9	150	150	179	154	93	76	70-130	15	20	

MATRIX SPIKE SAMPLE: 1466731

Parameter	Units	60181066001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.3	86	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch:	MERP/8970	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60180968001		

METHOD BLANK: 1468210 Matrix: Water
Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/28/14 09:18	

LABORATORY CONTROL SAMPLE: 1468211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.1	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468212 1468213

Parameter	Units	60180833001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	87.6	86.7	58	58	70-130	1	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch:	MPRP/29538	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	60180968001		

METHOD BLANK: 1469202 Matrix: Water

Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/29/14 17:43	
Antimony	ug/L	ND	10.0	10/29/14 17:43	
Arsenic	ug/L	ND	10.0	10/29/14 17:43	
Beryllium	ug/L	ND	1.0	10/29/14 17:43	
Cadmium	ug/L	ND	5.0	10/29/14 17:43	
Chromium	ug/L	ND	5.0	10/29/14 17:43	
Cobalt	ug/L	ND	5.0	10/29/14 17:43	
Copper	ug/L	ND	10.0	10/29/14 17:43	
Iron	ug/L	ND	50.0	10/29/14 17:43	
Lead	ug/L	ND	5.0	10/29/14 17:43	
Nickel	ug/L	ND	5.0	10/29/14 17:43	
Selenium	ug/L	ND	15.0	10/29/14 17:43	
Silver	ug/L	ND	7.0	10/29/14 17:43	
Thallium	ug/L	ND	20.0	10/29/14 17:43	
Zinc	ug/L	ND	50.0	10/29/14 17:43	

LABORATORY CONTROL SAMPLE: 1469203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	85-115	
Antimony	ug/L	1000	1030	103	85-115	
Arsenic	ug/L	1000	984	98	85-115	
Beryllium	ug/L	1000	1010	101	85-115	
Cadmium	ug/L	1000	1020	102	85-115	
Chromium	ug/L	1000	1010	101	85-115	
Cobalt	ug/L	1000	1040	104	85-115	
Copper	ug/L	1000	1020	102	85-115	
Iron	ug/L	10000	9870	99	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1030	103	85-115	
Selenium	ug/L	1000	998	100	85-115	
Silver	ug/L	500	504	101	85-115	
Thallium	ug/L	1000	1020	102	85-115	
Zinc	ug/L	1000	996	100	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1469204												1469205	
Parameter	Units	60180968001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Aluminum	ug/L	4950	50000	50000	57800	57500	106	105	70-130	0	8		
Antimony	ug/L	ND	5000	5000	5330	5330	106	106	70-130	0	7		
Arsenic	ug/L	409	5000	5000	5720	5690	106	106	70-130	1	10		
Beryllium	ug/L	ND	5000	5000	5080	5040	102	101	70-130	1	7		
Cadmium	ug/L	ND	5000	5000	5270	5250	105	105	70-130	0	10		
Chromium	ug/L	122	5000	5000	5240	5200	102	102	70-130	1	10		
Cobalt	ug/L	ND	5000	5000	5090	5070	101	101	70-130	0	6		
Copper	ug/L	ND	5000	5000	5200	5180	104	103	70-130	0	11		
Iron	ug/L	302000	50000	50000	351000	346000	99	89	70-130	1	10		
Lead	ug/L	74.4	5000	5000	4830	4800	95	94	70-130	1	10		
Nickel	ug/L	69.8	5000	5000	5080	5050	100	100	70-130	1	10		
Selenium	ug/L	ND	5000	5000	5340	5330	107	107	70-130	0	10		
Silver	ug/L	ND	2500	2500	2680	2670	107	107	70-130	1	10		
Thallium	ug/L	ND	5000	5000	4590	4590	91	91	70-130	0	6		
Zinc	ug/L	3010	5000	5000	7910	7840	98	97	70-130	1	11		

MATRIX SPIKE SAMPLE: 1469206		60180755002	Spike	MS	MS	% Rec		
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
Aluminum	ug/L		ND	10000	10200	101	70-130	
Antimony	ug/L		ND	1000	1050	105	70-130	
Arsenic	ug/L		ND	1000	1030	103	70-130	
Beryllium	ug/L		ND	1000	1020	102	70-130	
Cadmium	ug/L		ND	1000	1020	102	70-130	
Chromium	ug/L		ND	1000	1020	102	70-130	
Cobalt	ug/L		ND	1000	1020	102	70-130	
Copper	ug/L		ND	1000	1020	102	70-130	
Iron	ug/L		109	10000	9870	98	70-130	
Lead	ug/L		ND	1000	979	98	70-130	
Nickel	ug/L		ND	1000	1020	101	70-130	
Selenium	ug/L		ND	1000	1020	102	70-130	
Silver	ug/L		ND	500	515	103	70-130	
Thallium	ug/L		ND	1000	960	96	70-130	
Zinc	ug/L		ND	1000	1010	99	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch: MPRP/29506

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60180968001

METHOD BLANK: 1468315

Matrix: Water

Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/28/14 17:56	
Antimony, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Arsenic, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Beryllium, Dissolved	ug/L	ND	1.0	10/28/14 17:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Chromium, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Cobalt, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Copper, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Iron, Dissolved	ug/L	ND	50.0	10/28/14 17:56	
Lead, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Nickel, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Selenium, Dissolved	ug/L	ND	15.0	10/28/14 17:56	
Silver, Dissolved	ug/L	ND	7.0	10/28/14 17:56	
Thallium, Dissolved	ug/L	ND	20.0	10/28/14 17:56	
Zinc, Dissolved	ug/L	ND	50.0	10/28/14 17:56	

LABORATORY CONTROL SAMPLE: 1468316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10300	103	85-115	
Antimony, Dissolved	ug/L	1000	1060	106	85-115	
Arsenic, Dissolved	ug/L	1000	1020	102	85-115	
Beryllium, Dissolved	ug/L	1000	1020	102	85-115	
Cadmium, Dissolved	ug/L	1000	1040	104	85-115	
Chromium, Dissolved	ug/L	1000	1020	102	85-115	
Cobalt, Dissolved	ug/L	1000	1060	106	85-115	
Copper, Dissolved	ug/L	1000	1030	103	85-115	
Iron, Dissolved	ug/L	10000	10100	101	85-115	
Lead, Dissolved	ug/L	1000	1010	101	85-115	
Nickel, Dissolved	ug/L	1000	1050	105	85-115	
Selenium, Dissolved	ug/L	1000	1030	103	85-115	
Silver, Dissolved	ug/L	500	514	103	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	1010	101	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468317												1468318											
Parameter	Units	60180833001		MS	MSD	MS		MSD		% Rec		Max		Qual									
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD												
Aluminum, Dissolved	ug/L	419	50000	50000	51800	51600	103	102	70-130	0	8												
Antimony, Dissolved	ug/L	ND	5000	5000	5420	5460	108	109	70-130	1	7												
Arsenic, Dissolved	ug/L	352	5000	5000	5600	5640	105	106	70-130	1	10												
Beryllium, Dissolved	ug/L	ND	5000	5000	5120	5110	102	102	70-130	0	7												
Cadmium, Dissolved	ug/L	ND	5000	5000	5250	5260	105	105	70-130	0	10												
Chromium, Dissolved	ug/L	82.2	5000	5000	5060	5040	100	99	70-130	0	10												
Cobalt, Dissolved	ug/L	ND	5000	5000	5120	5120	102	102	70-130	0	6												
Copper, Dissolved	ug/L	ND	5000	5000	5220	5200	104	104	70-130	0	11												
Iron, Dissolved	ug/L	111000	50000	50000	143000	144000	64	66	70-130	1	10	M1											
Lead, Dissolved	ug/L	ND	5000	5000	4800	4800	96	96	70-130	0	10												
Nickel, Dissolved	ug/L	65.4	5000	5000	5060	5060	100	100	70-130	0	10												
Selenium, Dissolved	ug/L	ND	5000	5000	5380	5420	108	108	70-130	1	10												
Silver, Dissolved	ug/L	ND	2500	2500	2660	2640	106	105	70-130	1	10												
Thallium, Dissolved	ug/L	ND	5000	5000	4670	4670	93	93	70-130	0	6												
Zinc, Dissolved	ug/L	469	5000	5000	5220	5200	95	95	70-130	0	11												

MATRIX SPIKE SAMPLE: 1468319											
Parameter	Units	60180972001		Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers			
		Result	Spike Conc.								
Aluminum, Dissolved	ug/L		ND	10000	10300	103	70-130				
Antimony, Dissolved	ug/L		ND	1000	1070	107	70-130				
Arsenic, Dissolved	ug/L		ND	1000	1040	104	70-130				
Beryllium, Dissolved	ug/L		ND	1000	1030	103	70-130				
Cadmium, Dissolved	ug/L		ND	1000	1040	103	70-130				
Chromium, Dissolved	ug/L		2.2J	1000	994	99	70-130				
Cobalt, Dissolved	ug/L		ND	1000	1040	103	70-130				
Copper, Dissolved	ug/L		ND	1000	1040	104	70-130				
Iron, Dissolved	ug/L		ND	10000	9820	98	70-130				
Lead, Dissolved	ug/L		ND	1000	988	99	70-130				
Nickel, Dissolved	ug/L		ND	1000	1020	102	70-130				
Selenium, Dissolved	ug/L		ND	1000	1030	103	70-130				
Silver, Dissolved	ug/L		ND	500	515	103	70-130				
Thallium, Dissolved	ug/L		ND	1000	1010	101	70-130				
Zinc, Dissolved	ug/L		ND	1000	966	97	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch: MSV/65302 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60180968001, 60180968002

METHOD BLANK: 1465995 Matrix: Water

Associated Lab Samples: 60180968001, 60180968002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/24/14 06:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/24/14 06:42	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/24/14 06:42	
1,2-Dichloroethane	ug/L	ND	1.0	10/24/14 06:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/24/14 06:42	
2-Butanone (MEK)	ug/L	ND	10.0	10/24/14 06:42	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/24/14 06:42	N2
Acetone	ug/L	ND	10.0	10/24/14 06:42	N2
Benzene	ug/L	ND	1.0	10/24/14 06:42	
Bromodichloromethane	ug/L	ND	1.0	10/24/14 06:42	
Bromoform	ug/L	ND	1.0	10/24/14 06:42	
Bromomethane	ug/L	ND	5.0	10/24/14 06:42	
Carbon tetrachloride	ug/L	ND	1.0	10/24/14 06:42	
Chloroethane	ug/L	ND	1.0	10/24/14 06:42	
Chloroform	ug/L	ND	1.0	10/24/14 06:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/24/14 06:42	N2
Ethylbenzene	ug/L	ND	1.0	10/24/14 06:42	
Methylene chloride	ug/L	ND	1.0	10/24/14 06:42	
Tetrachloroethene	ug/L	ND	1.0	10/24/14 06:42	
Toluene	ug/L	ND	1.0	10/24/14 06:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/24/14 06:42	
Trichloroethene	ug/L	ND	1.0	10/24/14 06:42	
Vinyl chloride	ug/L	ND	1.0	10/24/14 06:42	
Xylene (Total)	ug/L	ND	3.0	10/24/14 06:42	N2
1,2-Dichloroethane-d4 (S)	%	105	80-120	10/24/14 06:42	
4-Bromofluorobenzene (S)	%	109	80-120	10/24/14 06:42	
Toluene-d8 (S)	%	93	80-120	10/24/14 06:42	

LABORATORY CONTROL SAMPLE: 1465996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.9	115	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	22.2	111	67-127	N2
1,1,2-Trichloroethane	ug/L	20	23.3	117	67-124	
1,2-Dichloroethane	ug/L	20	24.1	120	70-126	
1,4-Dichlorobenzene	ug/L	20	23.1	116	74-120	
2-Butanone (MEK)	ug/L	100	104	104	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.9	100	59-131	N2
Acetone	ug/L	100	95.2	95	38-134	N2
Benzene	ug/L	20	21.5	108	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

LABORATORY CONTROL SAMPLE: 1465996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	22.9	114	68-125	
Bromoform	ug/L	20	23.7	119	65-127	
Bromomethane	ug/L	20	23.3	116	13-157	
Carbon tetrachloride	ug/L	20	23.2	116	70-131	
Chloroethane	ug/L	20	18.2	91	47-133	
Chloroform	ug/L	20	23.8	119	65-127	
cis-1,2-Dichloroethene	ug/L	20	24.1	121	68-127	N2
Ethylbenzene	ug/L	20	22.5	112	74-122	
Methylene chloride	ug/L	20	17.5	88	64-129	
Tetrachloroethene	ug/L	20	23.8	119	73-125	
Toluene	ug/L	20	20.6	103	69-126	
trans-1,2-Dichloroethene	ug/L	20	21.6	108	66-129	
Trichloroethene	ug/L	20	23.2	116	71-123	
Vinyl chloride	ug/L	20	20.1	101	43-129	
Xylene (Total)	ug/L	60	67.4	112	75-121	N2
1,2-Dichloroethane-d4 (S)	%			110	80-120	
4-Bromofluorobenzene (S)	%			105	80-120	
Toluene-d8 (S)	%			95	80-120	

MATRIX SPIKE SAMPLE: 1465997

Parameter	Units	60180833001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2390	120	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2390	120	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	2350	118	52-143	
1,2-Dichloroethane	ug/L	ND	2000	2240	112	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	2240	109	33-140	
2-Butanone (MEK)	ug/L	36200	10000	44800	86	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	9890	95	40-160	N2
Acetone	ug/L	71600	10000	75200	36	10-160	N2
Benzene	ug/L	ND	2000	2190	109	37-151	
Bromodichloromethane	ug/L	ND	2000	2270	113	35-142	
Bromoform	ug/L	ND	2000	2390	120	45-142	
Bromomethane	ug/L	ND	2000	2020	101	10-158	
Carbon tetrachloride	ug/L	ND	2000	2490	125	70-140	
Chloroethane	ug/L	ND	2000	1610	80	19-152	
Chloroform	ug/L	ND	2000	2290	114	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2320	116	34-147	N2
Ethylbenzene	ug/L	ND	2000	2220	111	40-142	
Methylene chloride	ug/L	ND	2000	1680	83	31-144	
Tetrachloroethene	ug/L	ND	2000	2310	116	64-148	
Toluene	ug/L	ND	2000	2020	100	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	1930	97	54-151	
Trichloroethene	ug/L	ND	2000	2200	110	71-149	
Vinyl chloride	ug/L	ND	2000	1700	85	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

MATRIX SPIKE SAMPLE:		1465997					
Parameter	Units	60180833001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6580	110	37-144	N2
1,2-Dichloroethane-d4 (S)	%				106	80-120	
4-Bromofluorobenzene (S)	%				107	80-120	
Toluene-d8 (S)	%				94	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch:	OEXT/46798	Analysis Method:	EPA 625
QC Batch Method:	EPA 625	Analysis Description:	625 MSS
Associated Lab Samples:	60180968001		

METHOD BLANK: 1465912 Matrix: Water

Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/24/14 14:09	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/24/14 14:09	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/24/14 14:09	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/24/14 14:09	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/24/14 14:09	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/24/14 14:09	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/24/14 14:09	
Hexachloroethane	ug/L	ND	5.0	10/24/14 14:09	
Naphthalene	ug/L	ND	5.0	10/24/14 14:09	
Nitrobenzene	ug/L	ND	5.0	10/24/14 14:09	
Pentachlorophenol	ug/L	ND	5.0	10/24/14 14:09	
Phenol	ug/L	ND	5.0	10/24/14 14:09	
2,4,6-Tribromophenol (S)	%	61	39-120	10/24/14 14:09	
2-Fluorobiphenyl (S)	%	78	39-120	10/24/14 14:09	
2-Fluorophenol (S)	%	47	17-120	10/24/14 14:09	
Nitrobenzene-d5 (S)	%	85	33-120	10/24/14 14:09	
Phenol-d6 (S)	%	32	11-120	10/24/14 14:09	
Terphenyl-d14 (S)	%	75	45-120	10/24/14 14:09	

LABORATORY CONTROL SAMPLE: 1465913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.2	84	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.9	100	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	38.1	76	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	36.3	73	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	45.8	92	40-133	
Hexachloro-1,3-butadiene	ug/L	50	40.4	81	44-116	
Hexachlorocyclopentadiene	ug/L	100	40.9	41	24-120	
Hexachloroethane	ug/L	50	44.2	88	43-113	
Naphthalene	ug/L	50	47.2	94	48-120	
Nitrobenzene	ug/L	50	52.0	104	48-120	
Pentachlorophenol	ug/L	50	108	216	47-120	L0
Phenol	ug/L	50	19.7	39	16-112	
2,4,6-Tribromophenol (S)	%			72	39-120	
2-Fluorobiphenyl (S)	%			93	39-120	
2-Fluorophenol (S)	%			50	17-120	
Nitrobenzene-d5 (S)	%			98	33-120	
Phenol-d6 (S)	%			35	11-120	
Terphenyl-d14 (S)	%			88	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

MATRIX SPIKE SAMPLE:		1465914					
Parameter	Units	60180833001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5000	3510	70	44-120	
2,4,6-Trichlorophenol	ug/L	ND	5000	4380	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	5000	3310	66	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	5000	4930	61	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	5000	3910	78	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	5000	3340	67	39-116	
Hexachlorocyclopentadiene	ug/L	ND	10000	3810	38	11-120	
Hexachloroethane	ug/L	ND	5000	3700	74	40-113	
Naphthalene	ug/L	ND	5000	4070	78	45-120	
Nitrobenzene	ug/L	ND	5000	4780	96	38-120	
Pentachlorophenol	ug/L	ND	5000	10300	206	43-135	M0
Phenol	ug/L	2790	5000	4710	38	13-112	
2,4,6-Tribromophenol (S)	%				65	39-120	
2-Fluorobiphenyl (S)	%				82	39-120	
2-Fluorophenol (S)	%				40	17-120	
Nitrobenzene-d5 (S)	%				95	33-120	
Phenol-d6 (S)	%				29	11-120	
Terphenyl-d14 (S)	%				78	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch:	WET/51154	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60180968001		

METHOD BLANK: 1468111 Matrix: Water

Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/27/14 11:35	

LABORATORY CONTROL SAMPLE: 1468112

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.8	97	78-114	

MATRIX SPIKE SAMPLE: 1468113

Parameter	Units	60180857001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	21.2	44.9	61.9	91	78-114	

SAMPLE DUPLICATE: 1468114

Parameter	Units	60180823001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	3.8J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch:	WET/51155	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60180968001		

METHOD BLANK: 1468115 Matrix: Water
Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/27/14 11:42	

LABORATORY CONTROL SAMPLE: 1468116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.1	116	64-132	

MATRIX SPIKE SAMPLE: 1468117

Parameter	Units	60180857001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	22.5	17.0	64	64-132	

SAMPLE DUPLICATE: 1468118

Parameter	Units	60180823001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.6J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch: WET/51113

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60180968001

METHOD BLANK: 1466567

Matrix: Water

Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/28/14 14:50	

SAMPLE DUPLICATE: 1466568

Parameter	Units	60181034001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	12.0	ND		10	

SAMPLE DUPLICATE: 1466569

Parameter	Units	60181066002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	70.0	74.0	6	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch: WET/51267 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60180968001

SAMPLE DUPLICATE: 1470434

Parameter	Units	60180959001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.0	1	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch: WET/51095

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60180968001

METHOD BLANK: 1466074

Matrix: Water

Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/28/14 14:09	

LABORATORY CONTROL SAMPLE: 1466075

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	173	87	85-115	

SAMPLE DUPLICATE: 1466076

Parameter	Units	60180997001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	129	129	0	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch:	WETA/31500	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60180968001		

METHOD BLANK: 1466732 Matrix: Water
Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/25/14 13:24	

LABORATORY CONTROL SAMPLE: 1466733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	102	90-110	

MATRIX SPIKE SAMPLE: 1466738

Parameter	Units	60180539001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.7	2	4.1	71	90-110	M1

MATRIX SPIKE SAMPLE: 1466739

Parameter	Units	60180752002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.7	2	4.3	83	90-110	M1

SAMPLE DUPLICATE: 1466740

Parameter	Units	60180753002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

QC Batch:	WETA/31543	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60180968001		

METHOD BLANK: 1468469 Matrix: Water
Associated Lab Samples: 60180968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/29/14 14:12	

LABORATORY CONTROL SAMPLE: 1468470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.2	102	90-110	

MATRIX SPIKE SAMPLE: 1468471

Parameter	Units	60180811002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	11100	5000	16600	110	90-110	

MATRIX SPIKE SAMPLE: 1468473

Parameter	Units	60180823001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	81.1	50	121	79	90-110	M1

SAMPLE DUPLICATE: 1468472

Parameter	Units	60180813001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	114	117	3	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-044

Pace Project No.: 60180968

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60180968001	T1-044	EPA 200.7	MPRP/29538	EPA 200.7	ICP/22171
60180968001	T1-044	EPA 200.7	MPRP/29506	EPA 200.7	ICP/22148
60180968001	T1-044	EPA 245.1	MERP/8954	EPA 245.1	MERC/8909
60180968001	T1-044	EPA 245.1	MERP/8970	EPA 245.1	MERC/8925
60180968001	T1-044	EPA 625	OEXT/46798	EPA 625	MSSV/15053
60180968001	T1-044	EPA 624 Low	MSV/65302		
60180968002	TRIP BLANK	EPA 624 Low	MSV/65302		
60180968001	T1-044	EPA 1664A	WET/51154		
60180968001	T1-044	EPA 1664A	WET/51155		
60180968001	T1-044	SM 2540D	WET/51113		
60180968001	T1-044	SM 4500-H+B	WET/51267		
60180968001	T1-044	SM 5210B	WET/51095	SM 5210B	WET/51212
60180968001	T1-044	EPA 350.1	WETA/31500		
60180968001	T1-044	EPA 410.4	WETA/31543		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60180968



60180968

Client Name: Republic - Barr

Courier: Fed Ex [] UPS [] USPS [] Client [] Commercial [x] Pace [] Other [x]

Tracking #: _____ Pace Shipping Label Used? Yes [] No [x]

Custody Seal on Cooler/Box Present: Yes [x] No [] Seals intact: Yes [x] No []

Packing Material: Bubble Wrap [x] Bubble Bags [] Foam [] None [] Other []

Thermometer Used: T-239 / T-194 Type of Ice: [x] Blue [] None [] Samples received on ice, cooling process has begun.

Cooler Temperature: 1-2

Temperature should be above freezing to 6°C

Date and initials of person examining contents: JNS 10/23/14 BOD

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. BOD, pH
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses	Matrix: water	13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: JNS Lot # of added preservative:
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): 082514-3		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State:

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 10/23/14

October 31, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

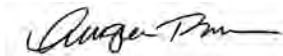
RE: Project: BRIDGETON LF T1-045
Pace Project No.: 60181106

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 24, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60181106001	T1-045	Water	10/23/14 09:45	10/24/14 02:15
60181106002	TRIP BLANK	Water	10/23/14 09:45	10/24/14 02:15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60181106001	T1-045	EPA 200.7	JGP	15
		EPA 200.7	JGP	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	JML	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60181106002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

Sample: T1-045		Lab ID: 60181106001	Collected: 10/23/14 09:45	Received: 10/24/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	6500	ug/L	375	1	10/29/14 09:30	10/29/14 18:25	7429-90-5	
Antimony	ND	ug/L	50.0	1	10/29/14 09:30	10/29/14 18:25	7440-36-0	
Arsenic	426	ug/L	50.0	1	10/29/14 09:30	10/29/14 18:25	7440-38-2	
Beryllium	ND	ug/L	5.0	1	10/29/14 09:30	10/29/14 18:25	7440-41-7	
Cadmium	ND	ug/L	25.0	1	10/29/14 09:30	10/29/14 18:25	7440-43-9	
Chromium	133	ug/L	25.0	1	10/29/14 09:30	10/29/14 18:25	7440-47-3	
Cobalt	ND	ug/L	25.0	1	10/29/14 09:30	10/29/14 18:25	7440-48-4	
Copper	ND	ug/L	50.0	1	10/29/14 09:30	10/29/14 18:25	7440-50-8	
Iron	36000	ug/L	250	1	10/29/14 09:30	10/29/14 18:25	7439-89-6	
Lead	90.6	ug/L	25.0	1	10/29/14 09:30	10/29/14 18:25	7439-92-1	
Nickel	74.3	ug/L	25.0	1	10/29/14 09:30	10/29/14 18:25	7440-02-0	
Selenium	ND	ug/L	75.0	1	10/29/14 09:30	10/29/14 18:25	7782-49-2	
Silver	ND	ug/L	35.0	1	10/29/14 09:30	10/29/14 18:25	7440-22-4	
Thallium	ND	ug/L	100	1	10/29/14 09:30	10/29/14 18:25	7440-28-0	
Zinc	3380	ug/L	250	1	10/29/14 09:30	10/29/14 18:25	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND	ug/L	375	1	10/27/14 15:30	10/28/14 19:03	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	10/27/14 15:30	10/28/14 19:03	7440-36-0	
Arsenic, Dissolved	351	ug/L	50.0	1	10/27/14 15:30	10/28/14 19:03	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	10/27/14 15:30	10/28/14 19:03	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	10/27/14 15:30	10/28/14 19:03	7440-43-9	
Chromium, Dissolved	81.2	ug/L	25.0	1	10/27/14 15:30	10/28/14 19:03	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	10/27/14 15:30	10/28/14 19:03	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	10/27/14 15:30	10/28/14 19:03	7440-50-8	
Iron, Dissolved	44300	ug/L	250	1	10/27/14 15:30	10/28/14 19:03	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	10/27/14 15:30	10/28/14 19:03	7439-92-1	
Nickel, Dissolved	77.0	ug/L	25.0	1	10/27/14 15:30	10/28/14 19:03	7440-02-0	D9
Selenium, Dissolved	ND	ug/L	75.0	1	10/27/14 15:30	10/28/14 19:03	7782-49-2	
Silver, Dissolved	ND	ug/L	35.0	1	10/27/14 15:30	10/28/14 19:03	7440-22-4	
Thallium, Dissolved	ND	ug/L	100	1	10/27/14 15:30	10/28/14 19:03	7440-28-0	
Zinc, Dissolved	572	ug/L	250	1	10/27/14 15:30	10/28/14 19:03	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	6.6	ug/L	6.0	1	10/26/14 17:00	10/27/14 15:40	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	10/27/14 16:30	10/28/14 09:33	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	2500	1	10/30/14 00:00	10/31/14 09:38	534-52-1	
Hexachloro-1,3-butadiene	ND	ug/L	500	1	10/30/14 00:00	10/31/14 09:38	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	500	1	10/30/14 00:00	10/31/14 09:38	77-47-4	
Hexachloroethane	ND	ug/L	500	1	10/30/14 00:00	10/31/14 09:38	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1000	1	10/30/14 00:00	10/31/14 09:38	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2030	ug/L	2000	1	10/30/14 00:00	10/31/14 09:38		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

Sample: T1-045	Lab ID: 60181106001	Collected: 10/23/14 09:45	Received: 10/24/14 02:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/30/14 00:00	10/31/14 09:38	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/30/14 00:00	10/31/14 09:38	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/30/14 00:00	10/31/14 09:38	87-86-5	L3
Phenol	3020 ug/L		500	1	10/30/14 00:00	10/31/14 09:38	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/30/14 00:00	10/31/14 09:38	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/30/14 00:00	10/31/14 09:38	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	106 %		33-120	1	10/30/14 00:00	10/31/14 09:38	4165-60-0	
2-Fluorobiphenyl (S)	91 %		39-120	1	10/30/14 00:00	10/31/14 09:38	321-60-8	
Terphenyl-d14 (S)	90 %		45-120	1	10/30/14 00:00	10/31/14 09:38	1718-51-0	
Phenol-d6 (S)	34 %		11-120	1	10/30/14 00:00	10/31/14 09:38	13127-88-3	
2-Fluorophenol (S)	49 %		17-120	1	10/30/14 00:00	10/31/14 09:38	367-12-4	
2,4,6-Tribromophenol (S)	96 %		39-120	1	10/30/14 00:00	10/31/14 09:38	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	21.9 ug/L		10.0	1		10/27/14 17:34	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/27/14 17:34	71-43-2	
Bromodichloromethane	7.7 ug/L		1.0	1		10/27/14 17:34	75-27-4	
Bromoform	ND ug/L		1.0	1		10/27/14 17:34	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/27/14 17:34	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/27/14 17:34	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/27/14 17:34	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/27/14 17:34	75-00-3	
Chloroform	33.5 ug/L		1.0	1		10/27/14 17:34	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/27/14 17:34	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/27/14 17:34	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/27/14 17:34	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/27/14 17:34	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/27/14 17:34	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/27/14 17:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/27/14 17:34	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/27/14 17:34	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/27/14 17:34	127-18-4	
Toluene	ND ug/L		1.0	1		10/27/14 17:34	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/27/14 17:34	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/27/14 17:34	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/27/14 17:34	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/27/14 17:34	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/27/14 17:34	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	104 %		80-120	1		10/27/14 17:34	460-00-4	
Toluene-d8 (S)	102 %		80-120	1		10/27/14 17:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	102 %		80-120	1		10/27/14 17:34	17060-07-0	
Preservation pH	7.0		1.0	1		10/27/14 17:34		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	171 mg/L		5.0	1		10/27/14 11:38		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

Sample: T1-045		Lab ID: 60181106001	Collected: 10/23/14 09:45	Received: 10/24/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		10/27/14 11:44		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	4120	mg/L	5.0	1		10/28/14 12:14		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.1	Std. Units	0.10	1		10/27/14 09:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	6920	mg/L	2.0	1	10/24/14 16:27	10/29/14 18:10		L2
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	110	mg/L	10.0	100		10/25/14 16:07	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	18600	mg/L	2500	250		10/29/14 14:24		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

Sample: TRIP BLANK		Lab ID: 60181106002	Collected: 10/23/14 09:45	Received: 10/24/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/27/14 18:02	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/24/14 22:10	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/24/14 22:10	75-27-4	
Bromoform	ND ug/L		1.0	1		10/24/14 22:10	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/24/14 22:10	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/24/14 22:10	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/24/14 22:10	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/24/14 22:10	75-00-3	
Chloroform	ND ug/L		1.0	1		10/24/14 22:10	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/24/14 22:10	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/24/14 22:10	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/24/14 22:10	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/24/14 22:10	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/24/14 22:10	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/24/14 22:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/24/14 22:10	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/24/14 22:10	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/24/14 22:10	127-18-4	
Toluene	ND ug/L		1.0	1		10/24/14 22:10	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/24/14 22:10	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/24/14 22:10	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/24/14 22:10	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/24/14 22:10	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/24/14 22:10	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	105 %		80-120	1		10/24/14 22:10	460-00-4	
Toluene-d8 (S)	92 %		80-120	1		10/24/14 22:10	2037-26-5	
1,2-Dichloroethane-d4 (S)	110 %		80-120	1		10/24/14 22:10	17060-07-0	
Preservation pH	6.0		1.0	1		10/24/14 22:10		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch: MERP/8964

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60181106001

METHOD BLANK: 1467908

Matrix: Water

Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/27/14 15:36	

LABORATORY CONTROL SAMPLE: 1467909

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1467910 1467911

Parameter	Units	60181106001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury	ug/L	6.6	150	150	112	113	71	71	70-130	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1467912 1467913

Parameter	Units	60181085002 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury	ug/L	ND	5	5	4.9	4.8	96	93	70-130	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch: MERP/8970

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60181106001

METHOD BLANK: 1468210

Matrix: Water

Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/28/14 09:18	

LABORATORY CONTROL SAMPLE: 1468211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.1	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468212 1468213

Parameter	Units	60180833001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury, Dissolved	ug/L	ND	150	150	87.6	86.7	58	58	70-130	1	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch:	MPRP/29538	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	60181106001		

METHOD BLANK: 1469202 Matrix: Water

Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/29/14 17:43	
Antimony	ug/L	ND	10.0	10/29/14 17:43	
Arsenic	ug/L	ND	10.0	10/29/14 17:43	
Beryllium	ug/L	ND	1.0	10/29/14 17:43	
Cadmium	ug/L	ND	5.0	10/29/14 17:43	
Chromium	ug/L	ND	5.0	10/29/14 17:43	
Cobalt	ug/L	ND	5.0	10/29/14 17:43	
Copper	ug/L	ND	10.0	10/29/14 17:43	
Iron	ug/L	ND	50.0	10/29/14 17:43	
Lead	ug/L	ND	5.0	10/29/14 17:43	
Nickel	ug/L	ND	5.0	10/29/14 17:43	
Selenium	ug/L	ND	15.0	10/29/14 17:43	
Silver	ug/L	ND	7.0	10/29/14 17:43	
Thallium	ug/L	ND	20.0	10/29/14 17:43	
Zinc	ug/L	ND	50.0	10/29/14 17:43	

LABORATORY CONTROL SAMPLE: 1469203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	85-115	
Antimony	ug/L	1000	1030	103	85-115	
Arsenic	ug/L	1000	984	98	85-115	
Beryllium	ug/L	1000	1010	101	85-115	
Cadmium	ug/L	1000	1020	102	85-115	
Chromium	ug/L	1000	1010	101	85-115	
Cobalt	ug/L	1000	1040	104	85-115	
Copper	ug/L	1000	1020	102	85-115	
Iron	ug/L	10000	9870	99	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1030	103	85-115	
Selenium	ug/L	1000	998	100	85-115	
Silver	ug/L	500	504	101	85-115	
Thallium	ug/L	1000	1020	102	85-115	
Zinc	ug/L	1000	996	100	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1469204												1469205											
Parameter	Units	60180968001 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual									
			Spike Conc.	MS Conc.	Spike Conc.	MSD Conc.																	
Aluminum	ug/L	4950	50000	50000	57800	57500	106	105	70-130	0	8												
Antimony	ug/L	ND	5000	5000	5330	5330	106	106	70-130	0	7												
Arsenic	ug/L	409	5000	5000	5720	5690	106	106	70-130	1	10												
Beryllium	ug/L	ND	5000	5000	5080	5040	102	101	70-130	1	7												
Cadmium	ug/L	ND	5000	5000	5270	5250	105	105	70-130	0	10												
Chromium	ug/L	122	5000	5000	5240	5200	102	102	70-130	1	10												
Cobalt	ug/L	ND	5000	5000	5090	5070	101	101	70-130	0	6												
Copper	ug/L	ND	5000	5000	5200	5180	104	103	70-130	0	11												
Iron	ug/L	302000	50000	50000	351000	346000	99	89	70-130	1	10												
Lead	ug/L	74.4	5000	5000	4830	4800	95	94	70-130	1	10												
Nickel	ug/L	69.8	5000	5000	5080	5050	100	100	70-130	1	10												
Selenium	ug/L	ND	5000	5000	5340	5330	107	107	70-130	0	10												
Silver	ug/L	ND	2500	2500	2680	2670	107	107	70-130	1	10												
Thallium	ug/L	ND	5000	5000	4590	4590	91	91	70-130	0	6												
Zinc	ug/L	3010	5000	5000	7910	7840	98	97	70-130	1	11												

MATRIX SPIKE SAMPLE: 1469206											
Parameter	Units	60180755002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	ND	10000
Antimony	ug/L	ND	1000	1050	105	70-130					
Arsenic	ug/L	ND	1000	1030	103	70-130					
Beryllium	ug/L	ND	1000	1020	102	70-130					
Cadmium	ug/L	ND	1000	1020	102	70-130					
Chromium	ug/L	ND	1000	1020	102	70-130					
Cobalt	ug/L	ND	1000	1020	102	70-130					
Copper	ug/L	ND	1000	1020	102	70-130					
Iron	ug/L	109	10000	9870	98	70-130					
Lead	ug/L	ND	1000	979	98	70-130					
Nickel	ug/L	ND	1000	1020	101	70-130					
Selenium	ug/L	ND	1000	1020	102	70-130					
Silver	ug/L	ND	500	515	103	70-130					
Thallium	ug/L	ND	1000	960	96	70-130					
Zinc	ug/L	ND	1000	1010	99	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch: MPRP/29506

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60181106001

METHOD BLANK: 1468315

Matrix: Water

Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	10/28/14 17:56	
Antimony, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Arsenic, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Beryllium, Dissolved	ug/L	ND	1.0	10/28/14 17:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Chromium, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Cobalt, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Copper, Dissolved	ug/L	ND	10.0	10/28/14 17:56	
Iron, Dissolved	ug/L	ND	50.0	10/28/14 17:56	
Lead, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Nickel, Dissolved	ug/L	ND	5.0	10/28/14 17:56	
Selenium, Dissolved	ug/L	ND	15.0	10/28/14 17:56	
Silver, Dissolved	ug/L	ND	7.0	10/28/14 17:56	
Thallium, Dissolved	ug/L	ND	20.0	10/28/14 17:56	
Zinc, Dissolved	ug/L	ND	50.0	10/28/14 17:56	

LABORATORY CONTROL SAMPLE: 1468316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	10300	103	85-115	
Antimony, Dissolved	ug/L	1000	1060	106	85-115	
Arsenic, Dissolved	ug/L	1000	1020	102	85-115	
Beryllium, Dissolved	ug/L	1000	1020	102	85-115	
Cadmium, Dissolved	ug/L	1000	1040	104	85-115	
Chromium, Dissolved	ug/L	1000	1020	102	85-115	
Cobalt, Dissolved	ug/L	1000	1060	106	85-115	
Copper, Dissolved	ug/L	1000	1030	103	85-115	
Iron, Dissolved	ug/L	10000	10100	101	85-115	
Lead, Dissolved	ug/L	1000	1010	101	85-115	
Nickel, Dissolved	ug/L	1000	1050	105	85-115	
Selenium, Dissolved	ug/L	1000	1030	103	85-115	
Silver, Dissolved	ug/L	500	514	103	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	1010	101	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468317												1468318											
Parameter	Units	60180833001		MS	MSD	MS		MSD		% Rec		Max		Qual									
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD												
Aluminum, Dissolved	ug/L	419	50000	50000	51800	51600	103	102	70-130	0	8												
Antimony, Dissolved	ug/L	ND	5000	5000	5420	5460	108	109	70-130	1	7												
Arsenic, Dissolved	ug/L	352	5000	5000	5600	5640	105	106	70-130	1	10												
Beryllium, Dissolved	ug/L	ND	5000	5000	5120	5110	102	102	70-130	0	7												
Cadmium, Dissolved	ug/L	ND	5000	5000	5250	5260	105	105	70-130	0	10												
Chromium, Dissolved	ug/L	82.2	5000	5000	5060	5040	100	99	70-130	0	10												
Cobalt, Dissolved	ug/L	ND	5000	5000	5120	5120	102	102	70-130	0	6												
Copper, Dissolved	ug/L	ND	5000	5000	5220	5200	104	104	70-130	0	11												
Iron, Dissolved	ug/L	111000	50000	50000	143000	144000	64	66	70-130	1	10	M1											
Lead, Dissolved	ug/L	ND	5000	5000	4800	4800	96	96	70-130	0	10												
Nickel, Dissolved	ug/L	65.4	5000	5000	5060	5060	100	100	70-130	0	10												
Selenium, Dissolved	ug/L	ND	5000	5000	5380	5420	108	108	70-130	1	10												
Silver, Dissolved	ug/L	ND	2500	2500	2660	2640	106	105	70-130	1	10												
Thallium, Dissolved	ug/L	ND	5000	5000	4670	4670	93	93	70-130	0	6												
Zinc, Dissolved	ug/L	469	5000	5000	5220	5200	95	95	70-130	0	11												

MATRIX SPIKE SAMPLE: 1468319											
Parameter	Units	60180972001		Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers			
		Result	Spike Conc.								
Aluminum, Dissolved	ug/L		ND	10000	10300	103	70-130				
Antimony, Dissolved	ug/L		ND	1000	1070	107	70-130				
Arsenic, Dissolved	ug/L		ND	1000	1040	104	70-130				
Beryllium, Dissolved	ug/L		ND	1000	1030	103	70-130				
Cadmium, Dissolved	ug/L		ND	1000	1040	103	70-130				
Chromium, Dissolved	ug/L		2.2J	1000	994	99	70-130				
Cobalt, Dissolved	ug/L		ND	1000	1040	103	70-130				
Copper, Dissolved	ug/L		ND	1000	1040	104	70-130				
Iron, Dissolved	ug/L		ND	10000	9820	98	70-130				
Lead, Dissolved	ug/L		ND	1000	988	99	70-130				
Nickel, Dissolved	ug/L		ND	1000	1020	102	70-130				
Selenium, Dissolved	ug/L		ND	1000	1030	103	70-130				
Silver, Dissolved	ug/L		ND	500	515	103	70-130				
Thallium, Dissolved	ug/L		ND	1000	1010	101	70-130				
Zinc, Dissolved	ug/L		ND	1000	966	97	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch:	MSV/65351	Analysis Method:	EPA 624 Low
QC Batch Method:	EPA 624 Low	Analysis Description:	624 MSV
Associated Lab Samples:	60181106002		

METHOD BLANK: 1467074 Matrix: Water

Associated Lab Samples: 60181106002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/24/14 19:20	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/24/14 19:20	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/24/14 19:20	
1,2-Dichloroethane	ug/L	ND	1.0	10/24/14 19:20	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/24/14 19:20	
2-Butanone (MEK)	ug/L	ND	10.0	10/24/14 19:20	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/24/14 19:20	N2
Benzene	ug/L	ND	1.0	10/24/14 19:20	
Bromodichloromethane	ug/L	ND	1.0	10/24/14 19:20	
Bromoform	ug/L	ND	1.0	10/24/14 19:20	
Bromomethane	ug/L	ND	5.0	10/24/14 19:20	
Carbon tetrachloride	ug/L	ND	1.0	10/24/14 19:20	
Chloroethane	ug/L	ND	1.0	10/24/14 19:20	
Chloroform	ug/L	ND	1.0	10/24/14 19:20	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/24/14 19:20	N2
Ethylbenzene	ug/L	ND	1.0	10/24/14 19:20	
Methylene chloride	ug/L	ND	1.0	10/24/14 19:20	
Tetrachloroethene	ug/L	ND	1.0	10/24/14 19:20	
Toluene	ug/L	ND	1.0	10/24/14 19:20	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/24/14 19:20	
Trichloroethene	ug/L	ND	1.0	10/24/14 19:20	
Vinyl chloride	ug/L	ND	1.0	10/24/14 19:20	
Xylene (Total)	ug/L	ND	3.0	10/24/14 19:20	N2
1,2-Dichloroethane-d4 (S)	%	109	80-120	10/24/14 19:20	
4-Bromofluorobenzene (S)	%	104	80-120	10/24/14 19:20	
Toluene-d8 (S)	%	92	80-120	10/24/14 19:20	

LABORATORY CONTROL SAMPLE: 1467075

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	23.1	115	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	24.7	123	67-127	N2
1,1,2-Trichloroethane	ug/L	20	24.9	124	67-124	
1,2-Dichloroethane	ug/L	20	24.2	121	70-126	
1,4-Dichlorobenzene	ug/L	20	23.7	118	74-120	
2-Butanone (MEK)	ug/L	100	108	108	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	59-131	N2
Benzene	ug/L	20	21.7	109	75-120	
Bromodichloromethane	ug/L	20	24.1	120	68-125	
Bromoform	ug/L	20	24.0	120	65-127	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

LABORATORY CONTROL SAMPLE: 1467075

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	20	19.8	99	13-157	
Carbon tetrachloride	ug/L	20	23.2	116	70-131	
Chloroethane	ug/L	20	17.3	87	47-133	
Chloroform	ug/L	20	24.3	121	65-127	
cis-1,2-Dichloroethene	ug/L	20	24.4	122	68-127	N2
Ethylbenzene	ug/L	20	22.1	110	74-122	
Methylene chloride	ug/L	20	17.3	86	64-129	
Tetrachloroethene	ug/L	20	24.4	122	73-125	
Toluene	ug/L	20	20.1	101	69-126	
trans-1,2-Dichloroethene	ug/L	20	21.5	108	66-129	
Trichloroethene	ug/L	20	22.7	114	71-123	
Vinyl chloride	ug/L	20	17.1	85	43-129	
Xylene (Total)	ug/L	60	67.6	113	75-121	N2
1,2-Dichloroethane-d4 (S)	%			113	80-120	
4-Bromofluorobenzene (S)	%			107	80-120	
Toluene-d8 (S)	%			94	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch: MSV/65377 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60181106001, 60181106002

METHOD BLANK: 1468287 Matrix: Water

Associated Lab Samples: 60181106001, 60181106002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/27/14 12:41	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/27/14 12:41	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/27/14 12:41	
1,2-Dichloroethane	ug/L	ND	1.0	10/27/14 12:41	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/27/14 12:41	
2-Butanone (MEK)	ug/L	ND	10.0	10/27/14 12:41	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/27/14 12:41	N2
Acetone	ug/L	ND	10.0	10/27/14 12:41	N2
Benzene	ug/L	ND	1.0	10/27/14 12:41	
Bromodichloromethane	ug/L	ND	1.0	10/27/14 12:41	
Bromoform	ug/L	ND	1.0	10/27/14 12:41	
Bromomethane	ug/L	ND	5.0	10/27/14 12:41	
Carbon tetrachloride	ug/L	ND	1.0	10/27/14 12:41	
Chloroethane	ug/L	ND	1.0	10/27/14 12:41	
Chloroform	ug/L	ND	1.0	10/27/14 12:41	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/27/14 12:41	N2
Ethylbenzene	ug/L	ND	1.0	10/27/14 12:41	
Methylene chloride	ug/L	ND	1.0	10/27/14 12:41	
Tetrachloroethene	ug/L	ND	1.0	10/27/14 12:41	
Toluene	ug/L	ND	1.0	10/27/14 12:41	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/27/14 12:41	
Trichloroethene	ug/L	ND	1.0	10/27/14 12:41	
Vinyl chloride	ug/L	ND	1.0	10/27/14 12:41	
Xylene (Total)	ug/L	ND	3.0	10/27/14 12:41	N2
1,2-Dichloroethane-d4 (S)	%	99	80-120	10/27/14 12:41	
4-Bromofluorobenzene (S)	%	100	80-120	10/27/14 12:41	
Toluene-d8 (S)	%	97	80-120	10/27/14 12:41	

LABORATORY CONTROL SAMPLE: 1468288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	99	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	18.7	94	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.0	100	67-124	
1,2-Dichloroethane	ug/L	20	20.9	104	70-126	
1,4-Dichlorobenzene	ug/L	20	18.7	94	74-120	
2-Butanone (MEK)	ug/L	100	96.4	96	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.1	96	59-131	N2
Acetone	ug/L	100	97.5	97	38-134	N2
Benzene	ug/L	20	19.7	98	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

LABORATORY CONTROL SAMPLE: 1468288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.1	101	68-125	
Bromoform	ug/L	20	20.2	101	65-127	
Bromomethane	ug/L	20	20.7	104	13-157	
Carbon tetrachloride	ug/L	20	20.3	101	70-131	
Chloroethane	ug/L	20	21.0	105	47-133	
Chloroform	ug/L	20	20.6	103	65-127	
cis-1,2-Dichloroethene	ug/L	20	21.4	107	68-127	N2
Ethylbenzene	ug/L	20	20.1	100	74-122	
Methylene chloride	ug/L	20	19.5	98	64-129	
Tetrachloroethene	ug/L	20	19.3	96	73-125	
Toluene	ug/L	20	18.9	95	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.8	104	66-129	
Trichloroethene	ug/L	20	19.3	96	71-123	
Vinyl chloride	ug/L	20	23.2	116	43-129	
Xylene (Total)	ug/L	60	62.0	103	75-121	N2
1,2-Dichloroethane-d4 (S)	%			107	80-120	
4-Bromofluorobenzene (S)	%			96	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1468289

Parameter	Units	60181106001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L		ND	20	21.7	109	52-155
1,1,2,2-Tetrachloroethane	ug/L		ND	20	19.4	97	46-146 N2
1,1,2-Trichloroethane	ug/L		ND	20	21.1	105	52-143
1,2-Dichloroethane	ug/L		ND	20	20.4	102	49-144
1,4-Dichlorobenzene	ug/L		ND	20	18.9	95	33-140
2-Butanone (MEK)	ug/L		ND	100	95.1	91	40-160 N2
4-Methyl-2-pentanone (MIBK)	ug/L		ND	100	98.2	98	40-160 N2
Acetone	ug/L	21.9	100	108	86	10-160 N2	
Benzene	ug/L		ND	20	20.9	104	37-151
Bromodichloromethane	ug/L		7.7	20	29.3	108	35-142
Bromoform	ug/L		ND	20	21.2	106	45-142
Bromomethane	ug/L		ND	20	18.9	95	10-158
Carbon tetrachloride	ug/L		ND	20	22.6	113	70-140
Chloroethane	ug/L		ND	20	23.2	116	19-152
Chloroform	ug/L		33.5	20	56.3	114	51-138
cis-1,2-Dichloroethene	ug/L		ND	20	20.8	104	34-147 N2
Ethylbenzene	ug/L		ND	20	20.3	101	40-142
Methylene chloride	ug/L		ND	20	20.1	100	31-144
Tetrachloroethene	ug/L		ND	20	20.2	101	64-148
Toluene	ug/L		ND	20	19.6	98	47-150
trans-1,2-Dichloroethene	ug/L		ND	20	21.6	108	54-151
Trichloroethene	ug/L		ND	20	21.5	107	71-149
Vinyl chloride	ug/L		ND	20	25.2	126	22-146

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

MATRIX SPIKE SAMPLE:		1468289					
Parameter	Units	60181106001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	60	62.9	105	37-144	N2
1,2-Dichloroethane-d4 (S)	%				104	80-120	
4-Bromofluorobenzene (S)	%				99	80-120	
Toluene-d8 (S)	%				98	80-120	
Preservation pH		7.0		7.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch: OEXT/46905 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60181106001

METHOD BLANK: 1469904 Matrix: Water

Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/31/14 08:56	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/31/14 08:56	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/31/14 08:56	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/31/14 08:56	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/31/14 08:56	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/31/14 08:56	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/31/14 08:56	
Hexachloroethane	ug/L	ND	5.0	10/31/14 08:56	
Naphthalene	ug/L	ND	5.0	10/31/14 08:56	
Nitrobenzene	ug/L	ND	5.0	10/31/14 08:56	
Pentachlorophenol	ug/L	ND	5.0	10/31/14 08:56	
Phenol	ug/L	ND	5.0	10/31/14 08:56	
2,4,6-Tribromophenol (S)	%	91	39-120	10/31/14 08:56	
2-Fluorobiphenyl (S)	%	92	39-120	10/31/14 08:56	
2-Fluorophenol (S)	%	50	17-120	10/31/14 08:56	
Nitrobenzene-d5 (S)	%	90	33-120	10/31/14 08:56	
Phenol-d6 (S)	%	31	11-120	10/31/14 08:56	
Terphenyl-d14 (S)	%	96	45-120	10/31/14 08:56	

LABORATORY CONTROL SAMPLE: 1469905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	45.1	90	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.1	98	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	36.2	72	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.4	67	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	53.5	107	40-133	
Hexachloro-1,3-butadiene	ug/L	50	44.4	89	44-116	
Hexachlorocyclopentadiene	ug/L	100	51.7	52	24-120	
Hexachloroethane	ug/L	50	41.9	84	43-113	
Naphthalene	ug/L	50	45.3	91	48-120	
Nitrobenzene	ug/L	50	46.4	93	48-120	
Pentachlorophenol	ug/L	50	72.4	145	47-120	L0
Phenol	ug/L	50	21.2	42	16-112	
2,4,6-Tribromophenol (S)	%			100	39-120	
2-Fluorobiphenyl (S)	%			98	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			91	33-120	
Phenol-d6 (S)	%			33	11-120	
Terphenyl-d14 (S)	%			98	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

MATRIX SPIKE SAMPLE:	1469906	60181125002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	42.2	84	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	43.9	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.5	63	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	29.8	60	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	42.7	85	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	43.1	86	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	49.8	50	11-120	
Hexachloroethane	ug/L	ND	50	38.5	77	40-113	
Naphthalene	ug/L	ND	50	42.2	84	45-120	
Nitrobenzene	ug/L	ND	50	42.5	85	38-120	
Pentachlorophenol	ug/L	ND	50	63.3	127	43-135	
Phenol	ug/L	ND	50	15.8	32	13-112	
2,4,6-Tribromophenol (S)	%				88	39-120	
2-Fluorobiphenyl (S)	%				87	39-120	
2-Fluorophenol (S)	%				41	17-120	
Nitrobenzene-d5 (S)	%				82	33-120	
Phenol-d6 (S)	%				28	11-120	
Terphenyl-d14 (S)	%				92	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch: WET/51154

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60181106001

METHOD BLANK: 1468111

Matrix: Water

Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/27/14 11:35	

LABORATORY CONTROL SAMPLE: 1468112

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.8	97	78-114	

MATRIX SPIKE SAMPLE: 1468113

Parameter	Units	60180857001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	21.2	44.9	61.9	91	78-114	

SAMPLE DUPLICATE: 1468114

Parameter	Units	60180823001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	3.8J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch:	WET/51155	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60181106001		

METHOD BLANK: 1468115 Matrix: Water
Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/27/14 11:42	

LABORATORY CONTROL SAMPLE: 1468116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.1	116	64-132	

MATRIX SPIKE SAMPLE: 1468117

Parameter	Units	60180857001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	22.5	17.0	64	64-132	

SAMPLE DUPLICATE: 1468118

Parameter	Units	60180823001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.6J		34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch: WET/51181

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60181106001

METHOD BLANK: 1468504

Matrix: Water

Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/28/14 12:11	

SAMPLE DUPLICATE: 1468505

Parameter	Units	60181055001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	62.0	56.0	10	10	

SAMPLE DUPLICATE: 1468506

Parameter	Units	60180985002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	212	180	16	10	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch: WET/51156 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60181106001

SAMPLE DUPLICATE: 1468119

Parameter	Units	60180445001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch: WET/51137

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60181106001

METHOD BLANK: 1467088

Matrix: Water

Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	10/29/14 17:11	

LABORATORY CONTROL SAMPLE: 1467089

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	149	75	85-115	L0

SAMPLE DUPLICATE: 1467090

Parameter	Units	60181124002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	912	880	4	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch: WETA/31514

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60181106001

METHOD BLANK: 1467662

Matrix: Water

Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/25/14 15:41	

LABORATORY CONTROL SAMPLE: 1467663

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 1467664

Parameter	Units	60180834001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	92	90-110	

MATRIX SPIKE SAMPLE: 1467665

Parameter	Units	60180835001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	94	90-110	

SAMPLE DUPLICATE: 1467666

Parameter	Units	60180837002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	28.7	28.2	2	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

QC Batch:	WETA/31543	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60181106001		

METHOD BLANK: 1468469 Matrix: Water
Associated Lab Samples: 60181106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/29/14 14:12	

LABORATORY CONTROL SAMPLE: 1468470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.2	102	90-110	

MATRIX SPIKE SAMPLE: 1468471

Parameter	Units	60180811002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	11100	5000	16600	110	90-110	

MATRIX SPIKE SAMPLE: 1468473

Parameter	Units	60180823001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	81.1	50	121	79	90-110	M1

SAMPLE DUPLICATE: 1468472

Parameter	Units	60180813001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	114	117	3	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: MSV/65351

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

D9 Dissolved result is greater than the total. Data is within laboratory control limits.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-045

Pace Project No.: 60181106

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60181106001	T1-045	EPA 200.7	MPRP/29538	EPA 200.7	ICP/22171
60181106001	T1-045	EPA 200.7	MPRP/29506	EPA 200.7	ICP/22148
60181106001	T1-045	EPA 245.1	MERP/8964	EPA 245.1	MERC/8922
60181106001	T1-045	EPA 245.1	MERP/8970	EPA 245.1	MERC/8925
60181106001	T1-045	EPA 625	OEXT/46905	EPA 625	MSSV/15097
60181106001	T1-045	EPA 624 Low	MSV/65377		
60181106002	TRIP BLANK	EPA 624 Low	MSV/65351		
60181106002	TRIP BLANK	EPA 624 Low	MSV/65377		
60181106001	T1-045	EPA 1664A	WET/51154		
60181106001	T1-045	EPA 1664A	WET/51155		
60181106001	T1-045	SM 2540D	WET/51181		
60181106001	T1-045	SM 4500-H+B	WET/51156		
60181106001	T1-045	SM 5210B	WET/51137	SM 5210B	WET/51249
60181106001	T1-045	EPA 350.1	WETA/31514		
60181106001	T1-045	EPA 410.4	WETA/31543		

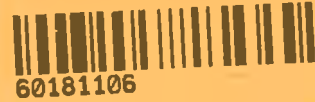
REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60181106



Client Name: Republic - Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other X Roads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 4-8

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: JWS 10/24/14 Bjo

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>300, pH</u>	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.	
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Includes date/time/ID/analyses Matrix: <u>water</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>B3N + B3S unable to be preserved.</u>	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>JWS</u>	Lot # of added preservative
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Pace Trip Blank lot # (if purchased): <u>0825/14-3</u>		15.	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.	<u>no detectable headspace.</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: mmw for AKB Date: 10/24/14

October 29, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

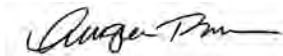
RE: Project: T1
Pace Project No.: 60181115

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 24, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: T1
Pace Project No.: 60181115

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 13-012-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407
Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: T1
Pace Project No.: 60181115

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60181115001	T1 TRUCK	Water	10/23/14 10:05	10/24/14 02:15
60181115002	T1 RECIRC	Water	10/23/14 10:10	10/24/14 02:15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: T1
Pace Project No.: 60181115

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60181115001	T1 TRUCK	SM 2540D	MER	1
60181115002	T1 RECIRC	SM 2540D	MER	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: T1
Pace Project No.: 60181115

Sample: T1 TRUCK	Lab ID: 60181115001	Collected: 10/23/14 10:05	Received: 10/24/14 02:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3180	mg/L	5.0	1		10/27/14 09:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: T1
Pace Project No.: 60181115

Sample: T1 RECIRC		Lab ID: 60181115002	Collected: 10/23/14 10:10	Received: 10/24/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3340	mg/L	5.0	1		10/27/14 09:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: T1
Pace Project No.: 60181115

QC Batch: WET/51150 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 60181115001, 60181115002

METHOD BLANK: 1468081 Matrix: Water
Associated Lab Samples: 60181115001, 60181115002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/27/14 09:08	

SAMPLE DUPLICATE: 1468082

Parameter	Units	10285845003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	3160	2920	8	10	

SAMPLE DUPLICATE: 1468083

Parameter	Units	60180938001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	852	844	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: T1
Pace Project No.: 60181115

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: T1
Pace Project No.: 60181115

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60181115001	T1 TRUCK	SM 2540D	WET/51150		
60181115002	T1 RECIRC	SM 2540D	WET/51150		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60181115



Client Name: Republic - Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other X Roads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 4-8

Date and initials of person examining contents: JWS 10/24/14 BJO

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>3 day TAT</u>
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses	Matrix: <u>water</u>	13.
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Lot # of added preservative
Pace Trip Blank lot # (if purchased): <u>mf</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State:

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: mw h (AEP)

Date: 10/24/14

November 10, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

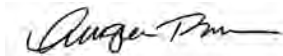
RE: Project: BRIDGETON LF T1-046
Pace Project No.: 60181676

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60181676001	T1-046	Water	10/24/14 10:00	11/01/14 02:15
60181676002	TRIP BLANK	Water		11/01/14 02:15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60181676001	T1-046	EPA 200.7	NDJ, SMW	15
		EPA 200.7	SMW	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	AJM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60181676002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

Sample: T1-046		Lab ID: 60181676001	Collected: 10/24/14 10:00	Received: 11/01/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	6840	ug/L	375	1	11/03/14 09:45	11/04/14 18:23	7429-90-5	
Antimony	ND	ug/L	50.0	1	11/03/14 09:45	11/04/14 18:23	7440-36-0	
Arsenic	423	ug/L	50.0	1	11/03/14 09:45	11/04/14 18:23	7440-38-2	
Beryllium	ND	ug/L	5.0	1	11/03/14 09:45	11/04/14 18:23	7440-41-7	
Cadmium	ND	ug/L	25.0	1	11/03/14 09:45	11/04/14 18:23	7440-43-9	
Chromium	131	ug/L	25.0	1	11/03/14 09:45	11/04/14 18:23	7440-47-3	
Cobalt	ND	ug/L	25.0	1	11/03/14 09:45	11/04/14 18:23	7440-48-4	
Copper	ND	ug/L	50.0	1	11/03/14 09:45	11/04/14 18:23	7440-50-8	
Iron	379000	ug/L	250	1	11/03/14 09:45	11/06/14 12:22	7439-89-6	
Lead	101	ug/L	25.0	1	11/03/14 09:45	11/04/14 18:23	7439-92-1	
Nickel	77.4	ug/L	25.0	1	11/03/14 09:45	11/04/14 18:23	7440-02-0	
Selenium	ND	ug/L	75.0	1	11/03/14 09:45	11/04/14 18:23	7782-49-2	
Silver	ND	ug/L	35.0	1	11/03/14 09:45	11/04/14 18:23	7440-22-4	
Thallium	ND	ug/L	100	1	11/03/14 09:45	11/04/14 18:23	7440-28-0	
Zinc	3500	ug/L	250	1	11/03/14 09:45	11/04/14 18:23	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	518	ug/L	375	1	11/05/14 08:45	11/05/14 14:43	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	11/05/14 08:45	11/05/14 14:43	7440-36-0	
Arsenic, Dissolved	261	ug/L	50.0	1	11/05/14 08:45	11/05/14 14:43	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	11/05/14 08:45	11/05/14 14:43	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	11/05/14 08:45	11/05/14 14:43	7440-43-9	
Chromium, Dissolved	76.3	ug/L	25.0	1	11/05/14 08:45	11/05/14 14:43	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	11/05/14 08:45	11/05/14 14:43	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	11/05/14 08:45	11/05/14 14:43	7440-50-8	
Iron, Dissolved	182000	ug/L	250	1	11/05/14 08:45	11/05/14 14:43	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	11/05/14 08:45	11/05/14 14:43	7439-92-1	
Nickel, Dissolved	49.7	ug/L	25.0	1	11/05/14 08:45	11/05/14 14:43	7440-02-0	
Selenium, Dissolved	ND	ug/L	75.0	1	11/05/14 08:45	11/05/14 14:43	7782-49-2	
Silver, Dissolved	ND	ug/L	35.0	1	11/05/14 08:45	11/05/14 14:43	7440-22-4	
Thallium, Dissolved	ND	ug/L	100	1	11/05/14 08:45	11/05/14 14:43	7440-28-0	
Zinc, Dissolved	ND	ug/L	250	1	11/05/14 08:45	11/05/14 14:43	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	6.0	1	11/03/14 10:25	11/04/14 10:15	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	11/05/14 09:00	11/05/14 13:06	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	2500	1	11/04/14 00:00	11/07/14 19:19	534-52-1	H3
Hexachloro-1,3-butadiene	ND	ug/L	500	1	11/04/14 00:00	11/07/14 19:19	87-68-3	H3
Hexachlorocyclopentadiene	ND	ug/L	500	1	11/04/14 00:00	11/07/14 19:19	77-47-4	H3
Hexachloroethane	ND	ug/L	500	1	11/04/14 00:00	11/07/14 19:19	67-72-1	H3
2-Methylphenol(o-Cresol)	ND	ug/L	1000	1	11/04/14 00:00	11/07/14 19:19	95-48-7	H3,N2
3&4-Methylphenol(m&p Cresol)	ND	ug/L	2000	1	11/04/14 00:00	11/07/14 19:19		H3,N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

Sample: T1-046 **Lab ID: 60181676001** Collected: 10/24/14 10:00 Received: 11/01/14 02:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	----	----------	----------	---------	------

625 MSSV

Analytical Method: EPA 625 Preparation Method: EPA 625

Naphthalene	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:19	91-20-3	H3
Nitrobenzene	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:19	98-95-3	H3
Pentachlorophenol	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:19	87-86-5	H3
Phenol	3160 ug/L		500	1	11/04/14 00:00	11/07/14 19:19	108-95-2	H3
1,2,4-Trichlorobenzene	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:19	120-82-1	H3
2,4,6-Trichlorophenol	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:19	88-06-2	H3
Surrogates								
Nitrobenzene-d5 (S)	83 %		33-120	1	11/04/14 00:00	11/07/14 19:19	4165-60-0	
2-Fluorobiphenyl (S)	81 %		39-120	1	11/04/14 00:00	11/07/14 19:19	321-60-8	
Terphenyl-d14 (S)	93 %		45-120	1	11/04/14 00:00	11/07/14 19:19	1718-51-0	
Phenol-d6 (S)	34 %		11-120	1	11/04/14 00:00	11/07/14 19:19	13127-88-3	
2-Fluorophenol (S)	47 %		17-120	1	11/04/14 00:00	11/07/14 19:19	367-12-4	
2,4,6-Tribromophenol (S)	91 %		39-120	1	11/04/14 00:00	11/07/14 19:19	118-79-6	

624 Volatile Organics

Analytical Method: EPA 624 Low

Acetone	19200 ug/L		1000	100		11/03/14 19:44	67-64-1	H3,N2
Benzene	ND ug/L		100	100		11/03/14 19:44	71-43-2	H3
Bromodichloromethane	ND ug/L		100	100		11/03/14 19:44	75-27-4	H3
Bromoform	ND ug/L		100	100		11/03/14 19:44	75-25-2	H3
Bromomethane	ND ug/L		500	100		11/03/14 19:44	74-83-9	H3
2-Butanone (MEK)	9280 ug/L		1000	100		11/03/14 19:44	78-93-3	H3,N2
Carbon tetrachloride	ND ug/L		100	100		11/03/14 19:44	56-23-5	H3
Chloroethane	ND ug/L		100	100		11/03/14 19:44	75-00-3	H3,M1
Chloroform	ND ug/L		100	100		11/03/14 19:44	67-66-3	H3
1,4-Dichlorobenzene	ND ug/L		100	100		11/03/14 19:44	106-46-7	H3
1,2-Dichloroethane	ND ug/L		100	100		11/03/14 19:44	107-06-2	H3
cis-1,2-Dichloroethene	ND ug/L		100	100		11/03/14 19:44	156-59-2	H3,N2
trans-1,2-Dichloroethene	ND ug/L		100	100		11/03/14 19:44	156-60-5	H3
Ethylbenzene	ND ug/L		100	100		11/03/14 19:44	100-41-4	H3
Methylene chloride	ND ug/L		100	100		11/03/14 19:44	75-09-2	H3
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		11/03/14 19:44	108-10-1	H3,N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		11/03/14 19:44	79-34-5	H3,N2
Tetrachloroethene	ND ug/L		100	100		11/03/14 19:44	127-18-4	H3
Toluene	ND ug/L		100	100		11/03/14 19:44	108-88-3	H3
1,1,1-Trichloroethane	ND ug/L		100	100		11/03/14 19:44	71-55-6	H3
1,1,2-Trichloroethane	ND ug/L		100	100		11/03/14 19:44	79-00-5	H3
Trichloroethene	ND ug/L		100	100		11/03/14 19:44	79-01-6	H3
Vinyl chloride	ND ug/L		100	100		11/03/14 19:44	75-01-4	H3
Xylene (Total)	ND ug/L		300	100		11/03/14 19:44	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	96 %		80-120	100		11/03/14 19:44	460-00-4	
Toluene-d8 (S)	95 %		80-120	100		11/03/14 19:44	2037-26-5	
1,2-Dichloroethane-d4 (S)	100 %		80-120	100		11/03/14 19:44	17060-07-0	
Preservation pH	6.0		1.0	100		11/03/14 19:44		H3

HEM, Oil and Grease

Analytical Method: EPA 1664A

Oil and Grease	95.2 mg/L		5.0	1		11/03/14 08:38		
----------------	------------------	--	-----	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

Sample: T1-046		Lab ID: 60181676001	Collected: 10/24/14 10:00	Received: 11/01/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	11.0	mg/L	5.0	1		11/03/14 08:45		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3340	mg/L	5.0	1		11/03/14 11:58		H3
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.4	Std. Units	0.10	1		11/01/14 12:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	5760	mg/L	2.0	1	11/01/14 11:21	11/06/14 13:04		H3
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	96.4	mg/L	5.0	50		11/06/14 13:04	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	16600	mg/L	2500	250		11/05/14 06:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

Sample: TRIP BLANK		Lab ID: 60181676002	Collected:	Received: 11/01/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND	ug/L	10.0	1		11/06/14 19:29	67-64-1	N2
Benzene	ND	ug/L	1.0	1		11/06/14 19:29	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		11/06/14 19:29	75-27-4	
Bromoform	ND	ug/L	1.0	1		11/06/14 19:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/06/14 19:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/06/14 19:29	78-93-3	N2
Carbon tetrachloride	ND	ug/L	1.0	1		11/06/14 19:29	56-23-5	
Chloroethane	ND	ug/L	1.0	1		11/06/14 19:29	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/06/14 19:29	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/06/14 19:29	106-46-7	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/06/14 19:29	107-06-2	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/06/14 19:29	156-59-2	N2
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/06/14 19:29	156-60-5	
Ethylbenzene	ND	ug/L	1.0	1		11/06/14 19:29	100-41-4	
Methylene chloride	2.2	ug/L	1.0	1		11/06/14 19:29	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/06/14 19:29	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/06/14 19:29	79-34-5	N2
Tetrachloroethene	ND	ug/L	1.0	1		11/06/14 19:29	127-18-4	
Toluene	ND	ug/L	1.0	1		11/06/14 19:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/06/14 19:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/06/14 19:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/06/14 19:29	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		11/06/14 19:29	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/06/14 19:29	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	100 %		80-120	1		11/06/14 19:29	460-00-4	
Toluene-d8 (S)	101 %		80-120	1		11/06/14 19:29	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	1		11/06/14 19:29	17060-07-0	
Preservation pH	6.0		1.0	1		11/06/14 19:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch:	MERP/8999	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
Associated Lab Samples:	60181676001		

METHOD BLANK: 1471915 Matrix: Water

Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	11/04/14 09:39	

LABORATORY CONTROL SAMPLE: 1471916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1471917 1471918

Parameter	Units	60181494001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Mercury	ug/L	ND	150	99.3	150	92.4	64	60	70-130	7	20	M1

MATRIX SPIKE SAMPLE: 1471919

Parameter	Units	60181667001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L		18.1	116	65	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch: MERP/9007

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60181676001

METHOD BLANK: 1472916

Matrix: Water

Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	11/05/14 12:44	

LABORATORY CONTROL SAMPLE: 1472917

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.6	92	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1472918 1472919

Parameter	Units	60181384001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	94.5	89.4	63	60	70-130	6	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch: MPRP/29614

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60181676001

METHOD BLANK: 1471946

Matrix: Water

Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	11/04/14 17:40	
Antimony	ug/L	ND	10.0	11/04/14 17:40	
Arsenic	ug/L	ND	10.0	11/04/14 17:40	
Beryllium	ug/L	ND	1.0	11/04/14 17:40	
Cadmium	ug/L	ND	5.0	11/04/14 17:40	
Chromium	ug/L	ND	5.0	11/04/14 17:40	
Cobalt	ug/L	ND	5.0	11/04/14 17:40	
Copper	ug/L	ND	10.0	11/04/14 17:40	
Iron	ug/L	ND	50.0	11/06/14 11:52	
Lead	ug/L	ND	5.0	11/04/14 17:40	
Nickel	ug/L	ND	5.0	11/04/14 17:40	
Selenium	ug/L	ND	15.0	11/04/14 17:40	
Silver	ug/L	ND	7.0	11/04/14 17:40	
Thallium	ug/L	ND	20.0	11/04/14 17:40	
Zinc	ug/L	ND	50.0	11/04/14 17:40	

LABORATORY CONTROL SAMPLE: 1471947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9820	98	85-115	
Antimony	ug/L	1000	1030	103	85-115	
Arsenic	ug/L	1000	976	98	85-115	
Beryllium	ug/L	1000	971	97	85-115	
Cadmium	ug/L	1000	1010	101	85-115	
Chromium	ug/L	1000	958	96	85-115	
Cobalt	ug/L	1000	1020	102	85-115	
Copper	ug/L	1000	994	99	85-115	
Iron	ug/L	10000	10000	100	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1020	102	85-115	
Selenium	ug/L	1000	1010	101	85-115	
Silver	ug/L	500	487	97	85-115	
Thallium	ug/L	1000	1030	103	85-115	
Zinc	ug/L	1000	959	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1471948												1471949	
Parameter	Units	60181494001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Aluminum	ug/L	8300	50000	50000	62500	63200	108	110	70-130	1	20		
Antimony	ug/L	ND	5000	5000	5360	5420	107	108	70-130	1	20		
Arsenic	ug/L	424	5000	5000	5720	5790	106	107	70-130	1	20		
Beryllium	ug/L	ND	5000	5000	4920	4950	98	99	70-130	0	20		
Cadmium	ug/L	ND	5000	5000	5280	5330	106	107	70-130	1	20		
Chromium	ug/L	125	5000	5000	5040	5060	98	99	70-130	1	20		
Cobalt	ug/L	ND	5000	5000	5000	5030	100	100	70-130	1	20		
Copper	ug/L	ND	5000	5000	5200	5240	104	105	70-130	1	20		
Iron	ug/L	339000	50000	50000	372000	388000	65	98	70-130	4	20	M1	
Lead	ug/L	74.6	5000	5000	4760	4800	94	95	70-130	1	20		
Nickel	ug/L	71.0	5000	5000	5010	5060	99	100	70-130	1	20		
Selenium	ug/L	ND	5000	5000	5440	5520	109	110	70-130	1	20		
Silver	ug/L	ND	2500	2500	2630	2650	105	106	70-130	1	20		
Thallium	ug/L	ND	5000	5000	4450	4470	89	89	70-130	1	20		
Zinc	ug/L	2720	5000	5000	7320	7450	92	95	70-130	2	20		

MATRIX SPIKE SAMPLE: 1471950											
Parameter	Units	60181577001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	7480	50000
Antimony	ug/L	ND	5000	5420	108	70-130					
Arsenic	ug/L	384	5000	5760	107	70-130					
Beryllium	ug/L	ND	5000	4920	98	70-130					
Cadmium	ug/L	ND	5000	5300	106	70-130					
Chromium	ug/L	116	5000	5040	98	70-130					
Cobalt	ug/L	ND	5000	5010	100	70-130					
Copper	ug/L	ND	5000	5200	104	70-130					
Iron	ug/L	321000	50000	375000	109	70-130					
Lead	ug/L	71.8	5000	4840	95	70-130					
Nickel	ug/L	69.4	5000	5060	100	70-130					
Selenium	ug/L	ND	5000	5560	111	70-130					
Silver	ug/L	ND	2500	2610	104	70-130					
Thallium	ug/L	ND	5000	4470	89	70-130					
Zinc	ug/L	2520	5000	7300	96	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch: MPRP/29648

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60181676001

METHOD BLANK: 1473036

Matrix: Water

Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	11/05/14 14:14	
Antimony, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Arsenic, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Beryllium, Dissolved	ug/L	ND	1.0	11/05/14 14:14	
Cadmium, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Chromium, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Cobalt, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Copper, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Iron, Dissolved	ug/L	ND	50.0	11/05/14 14:14	
Lead, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Nickel, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Selenium, Dissolved	ug/L	ND	15.0	11/05/14 14:14	
Silver, Dissolved	ug/L	ND	7.0	11/05/14 14:14	
Thallium, Dissolved	ug/L	ND	20.0	11/05/14 14:14	
Zinc, Dissolved	ug/L	ND	50.0	11/05/14 14:14	

LABORATORY CONTROL SAMPLE: 1473037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9960	100	85-115	
Antimony, Dissolved	ug/L	1000	1010	101	85-115	
Arsenic, Dissolved	ug/L	1000	959	96	85-115	
Beryllium, Dissolved	ug/L	1000	988	99	85-115	
Cadmium, Dissolved	ug/L	1000	996	100	85-115	
Chromium, Dissolved	ug/L	1000	986	99	85-115	
Cobalt, Dissolved	ug/L	1000	1020	102	85-115	
Copper, Dissolved	ug/L	1000	994	99	85-115	
Iron, Dissolved	ug/L	10000	9970	100	85-115	
Lead, Dissolved	ug/L	1000	1010	101	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	982	98	85-115	
Silver, Dissolved	ug/L	500	484	97	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	983	98	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

Parameter	Units	1473038		1473039		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		60181384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Aluminum, Dissolved	ug/L	ND	50000	50000	50100	50400	100	100	70-130	0	20	
Antimony, Dissolved	ug/L	ND	5000	5000	5180	5220	104	104	70-130	1	20	
Arsenic, Dissolved	ug/L	253	5000	5000	5340	5420	102	103	70-130	1	20	
Beryllium, Dissolved	ug/L	ND	5000	5000	4960	4950	99	99	70-130	0	20	
Cadmium, Dissolved	ug/L	ND	5000	5000	5120	5160	102	103	70-130	1	20	
Chromium, Dissolved	ug/L	66.1	5000	5000	5050	5050	100	100	70-130	0	20	
Cobalt, Dissolved	ug/L	ND	5000	5000	4980	4990	99	100	70-130	0	20	
Copper, Dissolved	ug/L	ND	5000	5000	5060	5080	101	102	70-130	0	20	
Iron, Dissolved	ug/L	66900	50000	50000	110000	117000	85	100	70-130	6	20	
Lead, Dissolved	ug/L	ND	5000	5000	4810	4790	96	96	70-130	0	20	
Nickel, Dissolved	ug/L	51.2	5000	5000	5000	5010	99	99	70-130	0	20	
Selenium, Dissolved	ug/L	ND	5000	5000	5230	5280	105	106	70-130	1	20	
Silver, Dissolved	ug/L	ND	2500	2500	2570	2580	103	103	70-130	0	20	
Thallium, Dissolved	ug/L	ND	5000	5000	4590	4560	92	91	70-130	0	20	
Zinc, Dissolved	ug/L	ND	5000	5000	4950	4950	97	97	70-130	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch:	MSV/65482	Analysis Method:	EPA 624 Low
QC Batch Method:	EPA 624 Low	Analysis Description:	624 MSV
Associated Lab Samples:	60181676001		

METHOD BLANK: 1471646 Matrix: Water

Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	11/03/14 17:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/03/14 17:37	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	11/03/14 17:37	
1,2-Dichloroethane	ug/L	ND	1.0	11/03/14 17:37	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/03/14 17:37	
2-Butanone (MEK)	ug/L	ND	10.0	11/03/14 17:37	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/03/14 17:37	N2
Acetone	ug/L	ND	10.0	11/03/14 17:37	N2
Benzene	ug/L	ND	1.0	11/03/14 17:37	
Bromodichloromethane	ug/L	ND	1.0	11/03/14 17:37	
Bromoform	ug/L	ND	1.0	11/03/14 17:37	
Bromomethane	ug/L	ND	5.0	11/03/14 17:37	
Carbon tetrachloride	ug/L	ND	1.0	11/03/14 17:37	
Chloroethane	ug/L	ND	1.0	11/03/14 17:37	
Chloroform	ug/L	ND	1.0	11/03/14 17:37	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/03/14 17:37	N2
Ethylbenzene	ug/L	ND	1.0	11/03/14 17:37	
Methylene chloride	ug/L	ND	1.0	11/03/14 17:37	
Tetrachloroethene	ug/L	ND	1.0	11/03/14 17:37	
Toluene	ug/L	ND	1.0	11/03/14 17:37	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/03/14 17:37	
Trichloroethene	ug/L	ND	1.0	11/03/14 17:37	
Vinyl chloride	ug/L	ND	1.0	11/03/14 17:37	
Xylene (Total)	ug/L	ND	3.0	11/03/14 17:37	N2
1,2-Dichloroethane-d4 (S)	%	93	80-120	11/03/14 17:37	
4-Bromofluorobenzene (S)	%	102	80-120	11/03/14 17:37	
Toluene-d8 (S)	%	98	80-120	11/03/14 17:37	

LABORATORY CONTROL SAMPLE: 1471647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.1	91	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	19.0	95	67-127	N2
1,1,2-Trichloroethane	ug/L	20	19.4	97	67-124	
1,2-Dichloroethane	ug/L	20	17.1	86	70-126	
1,4-Dichlorobenzene	ug/L	20	19.1	95	74-120	
2-Butanone (MEK)	ug/L	100	89.6	90	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.6	100	59-131	N2
Acetone	ug/L	100	77.0	77	38-134	N2
Benzene	ug/L	20	18.9	94	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

LABORATORY CONTROL SAMPLE: 1471647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	18.3	92	68-125	
Bromoform	ug/L	20	19.5	97	65-127	
Bromomethane	ug/L	20	15.0	75	13-157	
Carbon tetrachloride	ug/L	20	17.9	90	70-131	
Chloroethane	ug/L	20	18.0	90	47-133	
Chloroform	ug/L	20	17.6	88	65-127	
cis-1,2-Dichloroethene	ug/L	20	18.6	93	68-127	N2
Ethylbenzene	ug/L	20	19.0	95	74-122	
Methylene chloride	ug/L	20	19.1	96	64-129	
Tetrachloroethene	ug/L	20	19.0	95	73-125	
Toluene	ug/L	20	18.6	93	69-126	
trans-1,2-Dichloroethene	ug/L	20	17.9	89	66-129	
Trichloroethene	ug/L	20	18.3	92	71-123	
Vinyl chloride	ug/L	20	18.5	93	43-129	
Xylene (Total)	ug/L	60	60.1	100	75-121	N2
1,2-Dichloroethane-d4 (S)	%			94	80-120	
4-Bromofluorobenzene (S)	%			101	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1472143

Parameter	Units	60181676001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2140	107	52-155	H3
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	1910	96	46-146	H3,N2
1,1,2-Trichloroethane	ug/L	ND	2000	1930	96	52-143	H3
1,2-Dichloroethane	ug/L	ND	2000	1860	93	49-144	H3
1,4-Dichlorobenzene	ug/L	ND	2000	1980	98	33-140	H3
2-Butanone (MEK)	ug/L	9280	10000	18300	90	40-160	H3,N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	9690	94	40-160	H3,N2
Acetone	ug/L	19200	10000	26600	75	10-160	H3,N2
Benzene	ug/L	ND	2000	2020	99	37-151	H3
Bromodichloromethane	ug/L	ND	2000	1990	99	35-142	H3
Bromoform	ug/L	ND	2000	1870	93	45-142	H3
Bromomethane	ug/L	ND	2000	861	43	10-158	H3
Carbon tetrachloride	ug/L	ND	2000	2210	110	70-140	H3
Chloroethane	ug/L	ND	2000	5120	256	19-152	H3,M1
Chloroform	ug/L	ND	2000	2080	104	51-138	H3
cis-1,2-Dichloroethene	ug/L	ND	2000	2220	111	34-147	H3,N2
Ethylbenzene	ug/L	ND	2000	2020	99	40-142	H3
Methylene chloride	ug/L	ND	2000	1910	94	31-144	H3
Tetrachloroethene	ug/L	ND	2000	2130	106	64-148	H3
Toluene	ug/L	ND	2000	1990	98	47-150	H3
trans-1,2-Dichloroethene	ug/L	ND	2000	2150	107	54-151	H3
Trichloroethene	ug/L	ND	2000	2010	101	71-149	H3
Vinyl chloride	ug/L	ND	2000	1880	94	22-146	H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

MATRIX SPIKE SAMPLE:		1472143					
Parameter	Units	60181676001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6520	109	37-144	N2
1,2-Dichloroethane-d4 (S)	%				103	80-120	
4-Bromofluorobenzene (S)	%				101	80-120	
Toluene-d8 (S)	%				97	80-120	
Preservation pH		6.0		6.0			H3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch: MSV/65575 Analysis Method: EPA 624 Low
QC Batch Method: EPA 624 Low Analysis Description: 624 MSV
Associated Lab Samples: 60181676002

METHOD BLANK: 1473963 Matrix: Water
Associated Lab Samples: 60181676002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	11/06/14 15:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/06/14 15:24	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	11/06/14 15:24	
1,2-Dichloroethane	ug/L	ND	1.0	11/06/14 15:24	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/06/14 15:24	
2-Butanone (MEK)	ug/L	ND	10.0	11/06/14 15:24	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/06/14 15:24	N2
Acetone	ug/L	ND	10.0	11/06/14 15:24	N2
Benzene	ug/L	ND	1.0	11/06/14 15:24	
Bromodichloromethane	ug/L	ND	1.0	11/06/14 15:24	
Bromoform	ug/L	ND	1.0	11/06/14 15:24	
Bromomethane	ug/L	ND	5.0	11/06/14 15:24	
Carbon tetrachloride	ug/L	ND	1.0	11/06/14 15:24	
Chloroethane	ug/L	ND	1.0	11/06/14 15:24	
Chloroform	ug/L	ND	1.0	11/06/14 15:24	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/06/14 15:24	N2
Ethylbenzene	ug/L	ND	1.0	11/06/14 15:24	
Methylene chloride	ug/L	2.2	1.0	11/06/14 15:24	
Tetrachloroethene	ug/L	ND	1.0	11/06/14 15:24	
Toluene	ug/L	ND	1.0	11/06/14 15:24	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/06/14 15:24	
Trichloroethene	ug/L	ND	1.0	11/06/14 15:24	
Vinyl chloride	ug/L	ND	1.0	11/06/14 15:24	
Xylene (Total)	ug/L	ND	3.0	11/06/14 15:24	N2
1,2-Dichloroethane-d4 (S)	%	105	80-120	11/06/14 15:24	
4-Bromofluorobenzene (S)	%	101	80-120	11/06/14 15:24	
Toluene-d8 (S)	%	100	80-120	11/06/14 15:24	

LABORATORY CONTROL SAMPLE: 1473964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.9	99	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	100	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.0	100	67-124	
1,2-Dichloroethane	ug/L	20	19.9	100	70-126	
1,4-Dichlorobenzene	ug/L	20	18.9	94	74-120	
2-Butanone (MEK)	ug/L	100	90.5	91	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.8	95	59-131	N2
Acetone	ug/L	100	82.8	83	38-134	N2
Benzene	ug/L	20	18.9	95	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

LABORATORY CONTROL SAMPLE: 1473964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	19.6	98	68-125	
Bromoform	ug/L	20	18.3	92	65-127	
Bromomethane	ug/L	20	20.5	103	13-157	
Carbon tetrachloride	ug/L	20	19.2	96	70-131	
Chloroethane	ug/L	20	18.3	92	47-133	
Chloroform	ug/L	20	18.6	93	65-127	
cis-1,2-Dichloroethene	ug/L	20	20.3	102	68-127	N2
Ethylbenzene	ug/L	20	18.7	94	74-122	
Methylene chloride	ug/L	20	17.7	88	64-129	
Tetrachloroethene	ug/L	20	18.4	92	73-125	
Toluene	ug/L	20	19.0	95	69-126	
trans-1,2-Dichloroethene	ug/L	20	17.9	89	66-129	
Trichloroethene	ug/L	20	19.2	96	71-123	
Vinyl chloride	ug/L	20	20.1	100	43-129	
Xylene (Total)	ug/L	60	58.6	98	75-121	N2
1,2-Dichloroethane-d4 (S)	%			106	80-120	
4-Bromofluorobenzene (S)	%			102	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1473965

Parameter	Units	60181592002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	100	107	107	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	100	139	139	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	100	113	113	52-143	
1,2-Dichloroethane	ug/L	ND	100	105	105	49-144	
1,4-Dichlorobenzene	ug/L	8.7	100	109	101	33-140	
2-Butanone (MEK)	ug/L	ND	500	641	124	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	630	125	40-160	N2
Acetone	ug/L	52.1	500	643	118	10-160	N2
Benzene	ug/L	ND	100	101	100	37-151	
Bromodichloromethane	ug/L	ND	100	102	102	35-142	
Bromoform	ug/L	ND	100	111	111	45-142	
Bromomethane	ug/L	ND	100	109	109	10-158	
Carbon tetrachloride	ug/L	ND	100	109	109	70-140	
Chloroethane	ug/L	ND	100	95.6	96	19-152	
Chloroform	ug/L	ND	100	97.7	98	51-138	
cis-1,2-Dichloroethene	ug/L	ND	100	106	106	34-147	N2
Ethylbenzene	ug/L	ND	100	97.0	97	40-142	
Methylene chloride	ug/L	19.4	100	107	88	31-144	
Tetrachloroethene	ug/L	ND	100	106	106	64-148	
Toluene	ug/L	ND	100	101	101	47-150	
trans-1,2-Dichloroethene	ug/L	ND	100	106	106	54-151	
Trichloroethene	ug/L	ND	100	101	101	71-149	
Vinyl chloride	ug/L	ND	100	115	115	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

MATRIX SPIKE SAMPLE:		1473965					
Parameter	Units	60181592002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	300	309	103	37-144	N2
1,2-Dichloroethane-d4 (S)	%				109	80-120	
4-Bromofluorobenzene (S)	%				106	80-120	F1
Toluene-d8 (S)	%				99	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046
Pace Project No.: 60181676

QC Batch: OEXT/46962 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 60181676001

METHOD BLANK: 1472346 Matrix: Water
Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/05/14 18:22	
2,4,6-Trichlorophenol	ug/L	ND	5.0	11/05/14 18:22	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/05/14 18:22	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	11/05/14 18:22	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	11/05/14 18:22	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/05/14 18:22	
Hexachlorocyclopentadiene	ug/L	ND	5.0	11/05/14 18:22	
Hexachloroethane	ug/L	ND	5.0	11/05/14 18:22	
Naphthalene	ug/L	ND	5.0	11/05/14 18:22	
Nitrobenzene	ug/L	ND	5.0	11/05/14 18:22	
Pentachlorophenol	ug/L	ND	5.0	11/05/14 18:22	
Phenol	ug/L	ND	5.0	11/05/14 18:22	
2,4,6-Tribromophenol (S)	%	83	39-120	11/05/14 18:22	
2-Fluorobiphenyl (S)	%	85	39-120	11/05/14 18:22	
2-Fluorophenol (S)	%	50	17-120	11/05/14 18:22	
Nitrobenzene-d5 (S)	%	86	33-120	11/05/14 18:22	
Phenol-d6 (S)	%	32	11-120	11/05/14 18:22	
Terphenyl-d14 (S)	%	91	45-120	11/05/14 18:22	

LABORATORY CONTROL SAMPLE: 1472347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	46-120	
2,4,6-Trichlorophenol	ug/L	50	47.3	95	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	40.3	81	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	37.0	74	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	54.4	109	40-133	
Hexachloro-1,3-butadiene	ug/L	50	40.5	81	44-116	
Hexachlorocyclopentadiene	ug/L	100	36.7	37	24-120	
Hexachloroethane	ug/L	50	39.8	80	43-113	
Naphthalene	ug/L	50	41.6	83	48-120	
Nitrobenzene	ug/L	50	43.2	86	48-120	
Pentachlorophenol	ug/L	50	51.5	103	47-120	
Phenol	ug/L	50	19.3	39	16-112	
2,4,6-Tribromophenol (S)	%			98	39-120	
2-Fluorobiphenyl (S)	%			91	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			94	33-120	
Phenol-d6 (S)	%			35	11-120	
Terphenyl-d14 (S)	%			93	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

MATRIX SPIKE SAMPLE:		1472348					
Parameter	Units	60181592002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	35.6	71	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	40.5	81	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	39.5	79	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	33.2	66	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	60.6	121	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	32.9	66	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	36.4	36	11-120	
Hexachloroethane	ug/L	ND	50	33.5	67	40-113	
Naphthalene	ug/L	ND	50	34.9	67	45-120	
Nitrobenzene	ug/L	ND	50	41.2	82	38-120	
Pentachlorophenol	ug/L	ND	50	31.4	63	43-135	
Phenol	ug/L	ND	50	17.2	34	13-112	
2,4,6-Tribromophenol (S)	%				81	39-120	
2-Fluorobiphenyl (S)	%				73	39-120	
2-Fluorophenol (S)	%				46	17-120	
Nitrobenzene-d5 (S)	%				96	33-120	
Phenol-d6 (S)	%				32	11-120	
Terphenyl-d14 (S)	%				89	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch: WET/51311

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60181676001

METHOD BLANK: 1471903

Matrix: Water

Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	11/03/14 08:35	

LABORATORY CONTROL SAMPLE: 1471904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.0	98	78-114	

MATRIX SPIKE SAMPLE: 1471906

Parameter	Units	60181590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	41.2	42.7	95	78-114	

SAMPLE DUPLICATE: 1471905

Parameter	Units	60181494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	41.2	40.8	1	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch:	WET/51312	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60181676001		

METHOD BLANK: 1471911 Matrix: Water
Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	11/03/14 08:43	

LABORATORY CONTROL SAMPLE: 1471912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.5	117	64-132	

MATRIX SPIKE SAMPLE: 1471914

Parameter	Units	60181590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	21.1	90	64-132	

SAMPLE DUPLICATE: 1471913

Parameter	Units	60181494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	5.6	6.4	13	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch: WET/51318

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60181676001

METHOD BLANK: 1472124

Matrix: Water

Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	11/03/14 11:57	

SAMPLE DUPLICATE: 1472125

Parameter	Units	60181676001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	3340	3520	5	10	H3

SAMPLE DUPLICATE: 1472126

Parameter	Units	60181514003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	19.0	17.0	11	10	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch: WET/51306 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60181676001

SAMPLE DUPLICATE: 1471499

Parameter	Units	60181303008 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.8	1	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch: WET/51309

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60181676001

METHOD BLANK: 1471563

Matrix: Water

Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	11/06/14 12:42	

LABORATORY CONTROL SAMPLE: 1471564

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	177	89	85-115	

SAMPLE DUPLICATE: 1471568

Parameter	Units	60181667001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	4650	4810	3	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch: WETA/31691

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60181676001

METHOD BLANK: 1473868

Matrix: Water

Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	11/06/14 12:44	

LABORATORY CONTROL SAMPLE: 1473869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	100	90-110	

MATRIX SPIKE SAMPLE: 1473870

Parameter	Units	60181540002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	91	90-110	

MATRIX SPIKE SAMPLE: 1473871

Parameter	Units	60181549001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	2	1.9	95	90-110	

SAMPLE DUPLICATE: 1473872

Parameter	Units	60181592002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	79.0	77.8	2	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

QC Batch: WETA/31658 Analysis Method: EPA 410.4
 QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
 Associated Lab Samples: 60181676001

METHOD BLANK: 1472430 Matrix: Water

Associated Lab Samples: 60181676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	11/05/14 06:24	

LABORATORY CONTROL SAMPLE: 1472431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	53.8	108	90-110	

MATRIX SPIKE SAMPLE: 1472432

Parameter	Units	60181094002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	55.7	50	98.9	86	90-110	M1

MATRIX SPIKE SAMPLE: 1472434

Parameter	Units	60181444001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	2080	1250	3140	85	90-110	M1

SAMPLE DUPLICATE: 1472433

Parameter	Units	60181353001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	6770	7000	3	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

C9 Common Laboratory Contaminant.

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

F1 The sample was analyzed at a dilution due to foaming of the sample in the purge vessel.

H3 Sample was received or analysis requested beyond the recognized method holding time.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-046

Pace Project No.: 60181676

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60181676001	T1-046	EPA 200.7	MPRP/29614	EPA 200.7	ICP/22213
60181676001	T1-046	EPA 200.7	MPRP/29648	EPA 200.7	ICP/22232
60181676001	T1-046	EPA 245.1	MERP/8999	EPA 245.1	MERC/8952
60181676001	T1-046	EPA 245.1	MERP/9007	EPA 245.1	MERC/8960
60181676001	T1-046	EPA 625	OEXT/46962	EPA 625	MSSV/15123
60181676001	T1-046	EPA 624 Low	MSV/65482		
60181676002	TRIP BLANK	EPA 624 Low	MSV/65575		
60181676001	T1-046	EPA 1664A	WET/51311		
60181676001	T1-046	EPA 1664A	WET/51312		
60181676001	T1-046	SM 2540D	WET/51318		
60181676001	T1-046	SM 4500-H+B	WET/51306		
60181676001	T1-046	SM 5210B	WET/51309	SM 5210B	WET/51394
60181676001	T1-046	EPA 350.1	WETA/31691		
60181676001	T1-046	EPA 410.4	WETA/31658		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO# : 60181676



60181676

Client Name: Burr

Optional
Proj Due Date:
Proj Name:

Courier: Fed Ex UPS USPS Client Commercial Pace Other KI

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194

Type of Ice: (Wet) Blue None Samples received on ice, cooling process has begun.
(circle one)

Cooler Temperature: 4.6

Date and initials of person examining contents: CW 16 11/1/14

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>800 pH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>BP3N initial pH 6.0 added 2.5 mL HNO3</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>Final pH 2.0</u>
Exceptions: VOA, coliform, TOC, <u>OS</u> , WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	14. <u>BP33 initial pH 6.0 added 1.0 mL H2SO4</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>Final pH 5.5</u>
Pace Trip Blank lot # (if purchased): <u>covered</u>		Initial when completed <u>CW</u> Lot # of added preservative <u>12513-37-10</u>
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>In 2/5 T1-046 vials there is headspace</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
		17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: NOTE: COURIER DID NOT PICK UP ON 11/1 DELAYED DELIVERY TO LAB -> PROJECTS PER B. ANTHONY

Project Manager Review: [Signature]

Date: 11/1/14



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: BARR ENGINEERING		Report To: ED GALBRAITH/BARR		Attention: AMY HARGROVE/BRIAN POWER	
Address:		Copy To: SCOTT FEDAK/FEEZOR		Company Name: REPUBLIC SERVICES	
		DANA BAKER/MARGARET TREANOR -BARR		Address: BRIDGETON, MO 63044	
Email To:		Purchase Order No:		Pace Quote Reference: 130426_7588	
Phone: (816) 285-8410 Fax:		Client Project ID: BRIDGETON LF		Pace Project Manager: Brown, Angie	
Requested Due Date/TAT: 10 Day (Default)		Container Order Number:		Pace Profile #: 7585 LINE 2	
				Regulatory Agency	
				State / Location	
				Missouri	

ITEM#	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analyses Test	Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)
				START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	COD EPA 410	pH SM 4500H+B			LF DIS METALS 200.7/245	TOTAL METALS 200.7/245	AMMONIA EPA 350	O/G EPA 1664	625 SVOCs	VOCs EPA 624	TSS SM2540D	TPH/HEM-SGT 1664	BOD SM 5210B		
				DATE	TIME	DATE	TIME																									
1	BP35 4.5 T 1 -046 3 (ALGS) BP3U	OT	G	2 (ALHU)	10/24	1230	14	10	4	1	0	BP3U	60	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	60181676	
2	TRIP BLANK						2	2																							5 (D69U) 2 (BP3U) 001	
3																															2 (D69U) 002	
4																																
5																																
6																																
7																																METALS LIST total & LF Dis:
8																																Al, Sb, As, Be, Cd, Cr,
9																																Co, Cu, Fe, Pb, Ni, Se, Ag, Ti, Zn
10																																and Mercury
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
SITE CONTACT: BILL ABERNATHY 314-502-1299	<i>[Signature]</i>	10-24	1230	<i>[Signature]</i> 663	10/24	12:30	
SITE ADDRESS: BRIDGETON LF				<i>[Signature]</i> 746	11/1/14	0215	4.6 Y Y Y
13570 ST CHARLES ROCK RD							
BRIDGETON MO 63044							

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>Hunter King</i>				
SIGNATURE of SAMPLER:	<i>Hunter King</i>				
DATE Signed:		<i>10/24/14</i>			

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1723	T1-046	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 75-00-3	Chloroethane		UX-	ug/L	500	55.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 67-64-1	Acetone	80000	D	ug/L	1000	155.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 78-93-3	2-Butanone	12000	U	ug/L	1000	81.18	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 108-10-1	4-Methyl-2-pentanone	170	J	ug/L	500	74.00	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1723	T1-046	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 95-63-6	1,2,4-Trimethylbenzene	38	J	ug/L	200	20.03	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 99-87-6	p-Isopropyltoluene	230		ug/L	200	25.48	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 106-46-7	1,4-Dichlorobenzene	67	J	ug/L	200	33.03	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 91-20-3	Naphthalene	270	J	ug/L	500	56.04	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079				
NAL13026-1723	T1-046	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079	50	94%		
NAL13026-1723	T1-046	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079	50	96%		
NAL13026-1723	T1-046	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079	50	104%		
NAL13026-1723	T1-046	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5079	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102414CCVA	D102414CCVA	ORG 75-71-8	Dichlorodifluoromethane	50		ug/L	5	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	100%		
D102414CCVA	D102414CCVA	ORG 74-87-3	Chloromethane	43		ug/L	5	0.43	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	86%		
D102414CCVA	D102414CCVA	ORG 75-01-4	Vinyl chloride	51		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	102%		
D102414CCVA	D102414CCVA	ORG 74-83-9	Bromomethane	52		ug/L	5	0.50	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	104%		
D102414CCVA	D102414CCVA	ORG 75-00-3	Chloroethane	39		ug/L	5	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	78%		
D102414CCVA	D102414CCVA	ORG 75-69-4	Trichlorofluoromethane	120		ug/L	5	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	240%		
D102414CCVA	D102414CCVA	ORG 75-35-4	1,1-Dichloroethene	49		ug/L	1	0.47	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	98%		
D102414CCVA	D102414CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	90%		
D102414CCVA	D102414CCVA	ORG 67-64-1	Acetone	60		ug/L	10	1.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	120%		
D102414CCVA	D102414CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	48		ug/L	1	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	96%		
D102414CCVA	D102414CCVA	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	106%		
D102414CCVA	D102414CCVA	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	92%		
D102414CCVA	D102414CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	108%		
D102414CCVA	D102414CCVA	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	98%		
D102414CCVA	D102414CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	90%		
D102414CCVA	D102414CCVA	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	100%		
D102414CCVA	D102414CCVA	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	106%		
D102414CCVA	D102414CCVA	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	102%		
D102414CCVA	D102414CCVA	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	100%		
D102414CCVA	D102414CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	90%		
D102414CCVA	D102414CCVA	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	100%		
D102414CCVA	D102414CCVA	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	98%		
D102414CCVA	D102414CCVA	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	100%		
D102414CCVA	D102414CCVA	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	92%		
D102414CCVA	D102414CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	110%		
D102414CCVA	D102414CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	92%		
D102414CCVA	D102414CCVA	ORG 108-10-1	4-Methyl-2-pentanone	55		ug/L	5	0.74	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	110%		
D102414CCVA	D102414CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	112%		
D102414CCVA	D102414CCVA	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	96%		
D102414CCVA	D102414CCVA	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	90%		
D102414CCVA	D102414CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	100%		
D102414CCVA	D102414CCVA	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	104%		
D102414CCVA	D102414CCVA	ORG 591-78-6	2-Hexanone	46		ug/L	2	0.69	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	92%		
D102414CCVA	D102414CCVA	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	110%		
D102414CCVA	D102414CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	96%		
D102414CCVA	D102414CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	102%		
D102414CCVA	D102414CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	100	110%		
D102414CCVA	D102414CCVA	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	102%		
D102414CCVA	D102414CCVA	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	102%		
D102414CCVA	D102414CCVA	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	102%		
D102414CCVA	D102414CCVA	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	108%		
D102414CCVA	D102414CCVA	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	114%		
D102414CCVA	D102414CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	92%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102414CCVA	D102414CCVA	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	88%		
D102414CCVA	D102414CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	102%		
D102414CCVA	D102414CCVA	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	104%		
D102414CCVA	D102414CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	102%		
D102414CCVA	D102414CCVA	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	106%		
D102414CCVA	D102414CCVA	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	106%		
D102414CCVA	D102414CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	104%		
D102414CCVA	D102414CCVA	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	98%		
D102414CCVA	D102414CCVA	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	106%		
D102414CCVA	D102414CCVA	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	104%		
D102414CCVA	D102414CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	50		ug/L	5	1.59	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	100%		
D102414CCVA	D102414CCVA	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	94%		
D102414CCVA	D102414CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	90%		
D102414CCVA	D102414CCVA	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	92%		
D102414CCVA	D102414CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	98%		
D102414CCVA	D102414CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	98%		
D102414CCVA	D102414CCVA	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	88%		
D102414CCVA	D102414CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	94%		
D102414CCVA	D102414CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5076	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102414MBKA	D102414MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 100-42-2	Styrene	U		ug/L	1	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102414MBKA	D102414MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078				
D102414MBKA	D102414MBKA	STD 1868-53-7	Dibromofluoromethane	46		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078	50	92%		
D102414MBKA	D102414MBKA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078	50	96%		
D102414MBKA	D102414MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078	50	102%		
D102414MBKA	D102414MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5078	50	110%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102414ALCS	D102414ALCS	ORG 75-71-8	Dichlorodifluoromethane	48		ug/L	5	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	96%		
D102414ALCS	D102414ALCS	ORG 74-87-3	Chloromethane	40		ug/L	5	0.43	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	80%		
D102414ALCS	D102414ALCS	ORG 75-01-4	Vinyl chloride	47		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	94%		
D102414ALCS	D102414ALCS	ORG 74-83-9	Bromomethane	52		ug/L	5	0.50	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 75-00-3	Chloroethane	39		ug/L	5	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	78%		
D102414ALCS	D102414ALCS	ORG 75-69-4	Trichlorofluoromethane	170		ug/L	5	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	340%		
D102414ALCS	D102414ALCS	ORG 75-35-4	1,1-Dichloroethene	51		ug/L	1	0.47	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	102%		
D102414ALCS	D102414ALCS	ORG 75-09-2	Methylene chloride	38		ug/L	5	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	76%		
D102414ALCS	D102414ALCS	ORG 67-64-1	Acetone	81		ug/L	10	1.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	162%		
D102414ALCS	D102414ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	94%		
D102414ALCS	D102414ALCS	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	90%		
D102414ALCS	D102414ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	106%		
D102414ALCS	D102414ALCS	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	100%		
D102414ALCS	D102414ALCS	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	92%		
D102414ALCS	D102414ALCS	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	96%		
D102414ALCS	D102414ALCS	ORG 78-93-3	2-Butanone	52		ug/L	1	0.81	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	100%		
D102414ALCS	D102414ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	98%		
D102414ALCS	D102414ALCS	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	92%		
D102414ALCS	D102414ALCS	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	98%		
D102414ALCS	D102414ALCS	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	98%		
D102414ALCS	D102414ALCS	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	100%		
D102414ALCS	D102414ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	92%		
D102414ALCS	D102414ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	108%		
D102414ALCS	D102414ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	92%		
D102414ALCS	D102414ALCS	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	112%		
D102414ALCS	D102414ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	112%		
D102414ALCS	D102414ALCS	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	96%		
D102414ALCS	D102414ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	92%		
D102414ALCS	D102414ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	102%		
D102414ALCS	D102414ALCS	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 591-78-6	2-Hexanone	52		ug/L	2	0.69	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	110%		
D102414ALCS	D102414ALCS	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	98%		
D102414ALCS	D102414ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	100	110%		
D102414ALCS	D102414ALCS	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	108%		
D102414ALCS	D102414ALCS	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	108%		
D102414ALCS	D102414ALCS	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	114%		
D102414ALCS	D102414ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	49		ug/L	2	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	98%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102414ALCS	D102414ALCS	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	94%		
D102414ALCS	D102414ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	102%		
D102414ALCS	D102414ALCS	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	106%		
D102414ALCS	D102414ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	106%		
D102414ALCS	D102414ALCS	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	108%		
D102414ALCS	D102414ALCS	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	100%		
D102414ALCS	D102414ALCS	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	108%		
D102414ALCS	D102414ALCS	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	54		ug/L	5	1.59	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	108%		
D102414ALCS	D102414ALCS	ORG 87-68-3	Hexachlorobutadiene	48		ug/L	5	0.65	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	96%		
D102414ALCS	D102414ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	47		ug/L	5	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	94%		
D102414ALCS	D102414ALCS	ORG 91-20-3	Naphthalene	52		ug/L	5	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	52		ug/L	5	0.23	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	104%		
D102414ALCS	D102414ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	98%		
D102414ALCS	D102414ALCS	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	90%		
D102414ALCS	D102414ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	94%		
D102414ALCS	D102414ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5077	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102414ALCD	D102414ALCD	ORG 75-71-8	Dichlorodifluoromethane	50		ug/L	5	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	100%	4%	
D102414ALCD	D102414ALCD	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	88%	10%	
D102414ALCD	D102414ALCD	ORG 75-01-4	Vinyl chloride	51		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	102%	8%	
D102414ALCD	D102414ALCD	ORG 74-83-9	Bromomethane	54		ug/L	5	0.50	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	108%	4%	
D102414ALCD	D102414ALCD	ORG 75-00-3	Chloroethane	43		ug/L	5	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	86%	10%	
D102414ALCD	D102414ALCD	ORG 75-69-4	Trichlorofluoromethane	120		ug/L	5	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	240%	34%	
D102414ALCD	D102414ALCD	ORG 75-35-4	1,1-Dichloroethene	47		ug/L	1	0.47	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	94%	8%	
D102414ALCD	D102414ALCD	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	88%	15%	
D102414ALCD	D102414ALCD	ORG 67-64-1	Acetone	63		ug/L	10	1.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	126%	25%	
D102414ALCD	D102414ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	44		ug/L	1	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	88%	7%	
D102414ALCD	D102414ALCD	ORG 1634-04-4	MTBE	47		ug/L	5	0.61	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	94%	10%	
D102414ALCD	D102414ALCD	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	88%	2%	
D102414ALCD	D102414ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	50		ug/L	1	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	100%	6%	
D102414ALCD	D102414ALCD	ORG 74-97-5	Bromochloromethane	46		ug/L	10	0.41	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	92%	8%	
D102414ALCD	D102414ALCD	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	88%	4%	
D102414ALCD	D102414ALCD	ORG 71-55-6	1,1,1-Trichloroethane	46		ug/L	1	0.17	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	92%	4%	
D102414ALCD	D102414ALCD	ORG 78-93-3	2-Butanone	46		ug/L	1	0.81	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	92%	12%	
D102414ALCD	D102414ALCD	ORG 56-23-5	Carbon tetrachloride	48		ug/L	1	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	96%	4%	
D102414ALCD	D102414ALCD	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	96%	2%	
D102414ALCD	D102414ALCD	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	88%	4%	
D102414ALCD	D102414ALCD	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	94%	4%	
D102414ALCD	D102414ALCD	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	92%	6%	
D102414ALCD	D102414ALCD	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	96%	4%	
D102414ALCD	D102414ALCD	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	90%	2%	
D102414ALCD	D102414ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	106%	2%	
D102414ALCD	D102414ALCD	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	90%	2%	
D102414ALCD	D102414ALCD	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	106%	6%	
D102414ALCD	D102414ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	108%	4%	
D102414ALCD	D102414ALCD	ORG 127-18-4	Tetrachloroethene	43		ug/L	1	0.49	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	86%	11%	
D102414ALCD	D102414ALCD	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	88%	4%	
D102414ALCD	D102414ALCD	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	98%	4%	
D102414ALCD	D102414ALCD	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	98%	6%	
D102414ALCD	D102414ALCD	ORG 591-78-6	2-Hexanone	45		ug/L	2	0.69	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	90%	14%	
D102414ALCD	D102414ALCD	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	106%	4%	
D102414ALCD	D102414ALCD	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	92%	6%	
D102414ALCD	D102414ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	48		ug/L	2	0.19	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	96%	8%	
D102414ALCD	D102414ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	100	110%	0%	
D102414ALCD	D102414ALCD	ORG 95-47-6	o-Xylene	49		ug/L	1	0.13	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	98%	6%	
D102414ALCD	D102414ALCD	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	100%	4%	
D102414ALCD	D102414ALCD	ORG 75-25-2	Bromoform	47		ug/L	2	0.47	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	94%	14%	
D102414ALCD	D102414ALCD	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	104%	4%	
D102414ALCD	D102414ALCD	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	114%	0%	
D102414ALCD	D102414ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	90%	9%	

Confidential
D102414AKCF

D102414AKCF



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102414ALCD	D102414ALCD	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	88%	7%	
D102414ALCD	D102414ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	100%	2%	
D102414ALCD	D102414ALCD	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	104%	2%	
D102414ALCD	D102414ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	100%	4%	
D102414ALCD	D102414ALCD	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	104%	2%	
D102414ALCD	D102414ALCD	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	104%	4%	
D102414ALCD	D102414ALCD	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	102%	2%	
D102414ALCD	D102414ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	96%	4%	
D102414ALCD	D102414ALCD	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	102%	6%	
D102414ALCD	D102414ALCD	ORG 104-51-8	n-Butylbenzene	51		ug/L	5	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	102%	2%	
D102414ALCD	D102414ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	48		ug/L	5	1.59	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	96%	12%	
D102414ALCD	D102414ALCD	ORG 87-68-3	Hexachlorobutadiene	45		ug/L	5	0.65	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	90%	6%	
D102414ALCD	D102414ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	43		ug/L	5	0.28	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	86%	9%	
D102414ALCD	D102414ALCD	ORG 91-20-3	Naphthalene	44		ug/L	5	0.56	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	88%	17%	
D102414ALCD	D102414ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	47		ug/L	5	0.23	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	94%	10%	
D102414ALCD	D102414ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	98%	0%	
D102414ALCD	D102414ALCD	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	90%	0%	
D102414ALCD	D102414ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	96%	2%	
D102414ALCD	D102414ALCD	STD 460-00-4	Bromofluorobenzene	50		ug/L	1	0.10	NA	10/24/2014	10/24/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5081	50	100%	2%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1723MS	T1-046	ORG 75-71-8	Dichlorodifluoromethane	4700		ug/L	500	29.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	94%		
NAL13026-1723MS	T1-046	ORG 74-87-3	Chloromethane	4200		ug/L	500	43.07	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	84%		
NAL13026-1723MS	T1-046	ORG 75-01-4	Vinyl chloride	4600		ug/L	200	31.86	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	92%		
NAL13026-1723MS	T1-046	ORG 74-83-9	Bromomethane	4100		ug/L	500	50.04	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	82%		
NAL13026-1723MS	T1-046	ORG 75-00-3	Chloroethane	3900		ug/L	500	55.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	78%		
NAL13026-1723MS	T1-046	ORG 75-69-4	Trichlorofluoromethane	7800		ug/L	500	19.65	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	156%		
NAL13026-1723MS	T1-046	ORG 75-35-4	1,1-Dichloroethene	4400		ug/L	100	47.11	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	88%		
NAL13026-1723MS	T1-046	ORG 75-09-2	Methylene chloride	4200		ug/L	500	26.46	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	84%		
NAL13026-1723MS	T1-046	ORG 67-64-1	Acetone	77000		ug/L	1000	155.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	-60%		80000
NAL13026-1723MS	T1-046	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	90%		
NAL13026-1723MS	T1-046	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	98%		
NAL13026-1723MS	T1-046	ORG 75-34-3	1,1-Dichloroethane	4300		ug/L	100	52.66	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	86%		
NAL13026-1723MS	T1-046	ORG 156-59-2	cis-1,2-Dichloroethene	5300		ug/L	100	32.11	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	106%		
NAL13026-1723MS	T1-046	ORG 74-97-5	Bromochloromethane	4600		ug/L	1000	41.37	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	92%		
NAL13026-1723MS	T1-046	ORG 67-66-3	Chloroform	4400		ug/L	200	15.73	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	88%		
NAL13026-1723MS	T1-046	ORG 71-55-6	1,1,1-Trichloroethane	4700		ug/L	100	16.65	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	94%		
NAL13026-1723MS	T1-046	ORG 78-93-3	2-Butanone	17000		ug/L	100	81.18	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	100%		12000
NAL13026-1723MS	T1-046	ORG 56-23-5	Carbon tetrachloride	4800		ug/L	100	27.64	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	96%		
NAL13026-1723MS	T1-046	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	96%		
NAL13026-1723MS	T1-046	ORG 107-06-2	1,2-Dichloroethane	4400		ug/L	100	20.01	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	88%		
NAL13026-1723MS	T1-046	ORG 79-01-6	Trichloroethene	4700		ug/L	100	36.33	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	94%		
NAL13026-1723MS	T1-046	ORG 74-95-3	Dibromomethane	4900		ug/L	200	32.20	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	98%		
NAL13026-1723MS	T1-046	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	100%		
NAL13026-1723MS	T1-046	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	92%		
NAL13026-1723MS	T1-046	ORG 10061-01-5	cis-1,3-Dichloropropene	5400		ug/L	100	25.01	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	108%		
NAL13026-1723MS	T1-046	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	92%		
NAL13026-1723MS	T1-046	ORG 108-10-1	4-Methyl-2-pentanone	5500		ug/L	500	74.00	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	107%		170
NAL13026-1723MS	T1-046	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	110%		
NAL13026-1723MS	T1-046	ORG 127-18-4	Tetrachloroethene	4600		ug/L	100	48.56	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	92%		
NAL13026-1723MS	T1-046	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	90%		
NAL13026-1723MS	T1-046	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	98%		
NAL13026-1723MS	T1-046	ORG 106-93-4	1,2-Dibromoethane	5100		ug/L	200	26.49	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	102%		
NAL13026-1723MS	T1-046	ORG 591-78-6	2-Hexanone	3400		ug/L	200	68.90	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	68%		
NAL13026-1723MS	T1-046	ORG 100-41-4	Ethylbenzene	5300		ug/L	100	25.38	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	106%		
NAL13026-1723MS	T1-046	ORG 108-90-7	Chlorobenzene	4600		ug/L	100	27.52	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	92%		
NAL13026-1723MS	T1-046	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4800		ug/L	200	19.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	96%		
NAL13026-1723MS	T1-046	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	10000	110%		
NAL13026-1723MS	T1-046	ORG 95-47-6	o-Xylene	5000		ug/L	100	12.90	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	100%		
NAL13026-1723MS	T1-046	ORG 100-42-5	Styrene	5000		ug/L	100	20.23	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	100%		
NAL13026-1723MS	T1-046	ORG 75-25-2	Bromoform	4800		ug/L	200	46.83	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	96%		
NAL13026-1723MS	T1-046	ORG 98-82-8	Isopropylbenzene	5300		ug/L	200	20.48	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	106%		
NAL13026-1723MS	T1-046	ORG 103-65-1	n-Propylbenzene	5600		ug/L	200	27.00	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	112%		
NAL13026-1723MS	T1-046	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29.16	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	92%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1723MS	T1-046	ORG 96-18-4	1,2,3-Trichloropropane	4500		ug/L	200	29.47	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	90%		
NAL13026-1723MS	T1-046	ORG 108-67-8	1,3,5-Trimethylbenzene	5000		ug/L	200	20.03	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	100%		
NAL13026-1723MS	T1-046	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	104%		
NAL13026-1723MS	T1-046	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	101%		38
NAL13026-1723MS	T1-046	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	104%		
NAL13026-1723MS	T1-046	ORG 541-73-1	1,3-Dichlorobenzene	5200		ug/L	200	22.21	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	104%		
NAL13026-1723MS	T1-046	ORG 99-87-6	p-Isopropyltoluene	5200		ug/L	200	25.48	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	99%		230
NAL13026-1723MS	T1-046	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	97%		67
NAL13026-1723MS	T1-046	ORG 95-50-1	1,2-Dichlorobenzene	5300		ug/L	200	26.38	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	106%		
NAL13026-1723MS	T1-046	ORG 104-51-8	n-Butylbenzene	5200		ug/L	500	27.81	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	104%		
NAL13026-1723MS	T1-046	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5900		ug/L	500	159.11	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	118%		
NAL13026-1723MS	T1-046	ORG 87-68-3	Hexachlorobutadiene	4600		ug/L	500	65.42	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	92%		
NAL13026-1723MS	T1-046	ORG 120-82-1	1,2,4-Trichlorobenzene	4600		ug/L	500	27.63	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	92%		
NAL13026-1723MS	T1-046	ORG 91-20-3	Naphthalene	5500		ug/L	500	56.04	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	105%		270
NAL13026-1723MS	T1-046	ORG 87-61-6	1,2,3-Trichlorobenzene	4800		ug/L	500	23.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	5000	96%		
NAL13026-1723MS	T1-046	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	50	98%		
NAL13026-1723MS	T1-046	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	50	90%		
NAL13026-1723MS	T1-046	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	50	96%		
NAL13026-1723MS	T1-046	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5082	50	104%		

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1723MSD	T1-046	ORG 75-71-8	Dichlorodifluoromethane	4800		ug/L	500	29.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	96%	2%	
NAL13026-1723MSD	T1-046	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	88%	5%	
NAL13026-1723MSD	T1-046	ORG 75-01-4	Vinyl chloride	4900		ug/L	200	31.86	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	98%	6%	
NAL13026-1723MSD	T1-046	ORG 74-83-9	Bromomethane	4300		ug/L	500	50.04	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	86%	5%	
NAL13026-1723MSD	T1-046	ORG 75-00-3	Chloroethane	3800		ug/L	500	55.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	76%	3%	
NAL13026-1723MSD	T1-046	ORG 75-69-4	Trichlorofluoromethane	10000		ug/L	500	19.65	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	200%	25%	
NAL13026-1723MSD	T1-046	ORG 75-35-4	1,1-Dichloroethene	4600		ug/L	100	47.11	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	92%	4%	
NAL13026-1723MSD	T1-046	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	88%	5%	
NAL13026-1723MSD	T1-046	ORG 67-64-1	Acetone	74000		ug/L	1000	155.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	-120%	4%	80000
NAL13026-1723MSD	T1-046	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	94%	4%	
NAL13026-1723MSD	T1-046	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	100%	2%	
NAL13026-1723MSD	T1-046	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	90%	5%	
NAL13026-1723MSD	T1-046	ORG 156-59-2	cis-1,2-Dichloroethene	5600		ug/L	100	32.11	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	112%	6%	
NAL13026-1723MSD	T1-046	ORG 74-97-5	Bromochloromethane	4900		ug/L	1000	41.37	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	98%	6%	
NAL13026-1723MSD	T1-046	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	92%	4%	
NAL13026-1723MSD	T1-046	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	98%	4%	
NAL13026-1723MSD	T1-046	ORG 78-93-3	2-Butanone	17000		ug/L	100	81.18	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	100%	0%	12000
NAL13026-1723MSD	T1-046	ORG 56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	102%	6%	
NAL13026-1723MSD	T1-046	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	100%	4%	
NAL13026-1723MSD	T1-046	ORG 107-06-2	1,2-Dichloroethane	4500		ug/L	100	20.01	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	90%	2%	
NAL13026-1723MSD	T1-046	ORG 79-01-6	Trichloroethene	5000		ug/L	100	36.33	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	100%	6%	
NAL13026-1723MSD	T1-046	ORG 74-95-3	Dibromomethane	5100		ug/L	200	32.20	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	102%	4%	
NAL13026-1723MSD	T1-046	ORG 78-87-5	1,2-Dichloropropane	5200		ug/L	100	18.17	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	104%	4%	
NAL13026-1723MSD	T1-046	ORG 75-27-4	Bromodichloromethane	4800		ug/L	200	11.58	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	96%	4%	
NAL13026-1723MSD	T1-046	ORG 10061-01-5	cis-1,3-Dichloropropene	5600		ug/L	100	25.01	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	112%	4%	
NAL13026-1723MSD	T1-046	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	94%	2%	
NAL13026-1723MSD	T1-046	ORG 108-10-1	4-Methyl-2-pentanone	5000		ug/L	500	74.00	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	97%	10%	170
NAL13026-1723MSD	T1-046	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	112%	2%	
NAL13026-1723MSD	T1-046	ORG 127-18-4	Tetrachloroethene	5000		ug/L	100	48.56	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	100%	8%	
NAL13026-1723MSD	T1-046	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	90%	0%	
NAL13026-1723MSD	T1-046	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	102%	4%	
NAL13026-1723MSD	T1-046	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	104%	2%	
NAL13026-1723MSD	T1-046	ORG 591-78-6	2-Hexanone	3300		ug/L	200	68.90	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	66%	3%	
NAL13026-1723MSD	T1-046	ORG 100-41-4	Ethylbenzene	5600		ug/L	100	25.38	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	112%	6%	
NAL13026-1723MSD	T1-046	ORG 108-90-7	Chlorobenzene	4900		ug/L	100	27.52	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	98%	6%	
NAL13026-1723MSD	T1-046	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5200		ug/L	200	19.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	104%	8%	
NAL13026-1723MSD	T1-046	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	10000	120%	9%	
NAL13026-1723MSD	T1-046	ORG 95-47-6	o-Xylene	5300		ug/L	100	12.90	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	106%	6%	
NAL13026-1723MSD	T1-046	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	104%	4%	
NAL13026-1723MSD	T1-046	ORG 75-25-2	Bromoform	5200		ug/L	200	46.83	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	104%	8%	
NAL13026-1723MSD	T1-046	ORG 98-82-8	Isopropylbenzene	5600		ug/L	200	20.48	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	112%	6%	
NAL13026-1723MSD	T1-046	ORG 103-65-1	n-Propylbenzene	5900		ug/L	200	27.00	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	118%	5%	
NAL13026-1723MSD	T1-046	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29.16	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	92%	0%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1723MSD	T1-046	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	92%	2%	
NAL13026-1723MSD	T1-046	ORG 108-67-8	1,3,5-Trimethylbenzene	5200		ug/L	200	20.03	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	104%	4%	
NAL13026-1723MSD	T1-046	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	106%	2%	
NAL13026-1723MSD	T1-046	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	105%	4%	38
NAL13026-1723MSD	T1-046	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	108%	4%	
NAL13026-1723MSD	T1-046	ORG 541-73-1	1,3-Dichlorobenzene	5500		ug/L	200	22.21	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	110%	6%	
NAL13026-1723MSD	T1-046	ORG 99-87-6	p-Isopropyltoluene	5500		ug/L	200	25.48	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	105%	6%	230
NAL13026-1723MSD	T1-046	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	101%	4%	67
NAL13026-1723MSD	T1-046	ORG 95-50-1	1,2-Dichlorobenzene	5500		ug/L	200	26.38	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	110%	4%	
NAL13026-1723MSD	T1-046	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	108%	4%	
NAL13026-1723MSD	T1-046	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5800		ug/L	500	159.11	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	116%	2%	
NAL13026-1723MSD	T1-046	ORG 87-68-3	Hexachlorobutadiene	4900		ug/L	500	65.42	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	98%	6%	
NAL13026-1723MSD	T1-046	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	98%	6%	
NAL13026-1723MSD	T1-046	ORG 91-20-3	Naphthalene	5700		ug/L	500	56.04	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	109%	4%	270
NAL13026-1723MSD	T1-046	ORG 87-61-6	1,2,3-Trichlorobenzene	5100		ug/L	500	23.28	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	5000	102%	6%	
NAL13026-1723MSD	T1-046	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	50	96%	2%	
NAL13026-1723MSD	T1-046	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	50	88%	2%	
NAL13026-1723MSD	T1-046	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	50	94%	2%	
NAL13026-1723MSD	T1-046	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/24/2014	10/24/2014	10/24/2014	WG	100	NA	5.0	NA	SW8260B	NALD5083	50	104%	0%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1724	T1-047	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 75-00-3	Chloroethane		UX-	ug/L	500	55.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 67-64-1	Acetone	68000	DX+	ug/L	10000	1556.07	10/25/2014	10/25/2014	10/25/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5089				
NAL13026-1724	T1-047	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 78-93-3	2-Butanone	8900		ug/L	1000	81.18	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 108-10-1	4-Methyl-2-pentanone	130	J	ug/L	500	74.00	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1724	T1-047	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 99-87-6	p-Isopropyltoluene	190	J	ug/L	200	25.48	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	200	33.03	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 91-20-3	Naphthalene	150	J	ug/L	500	56.04	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088				
NAL13026-1724	T1-047	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088	50	94%		
NAL13026-1724	T1-047	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088	50	94%		
NAL13026-1724	T1-047	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088	50	104%		
NAL13026-1724	T1-047	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5088	50	108%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102514CCVA	D102514CCVA	ORG 75-71-8	Dichlorodifluoromethane	51		ug/L	5	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	102%		
D102514CCVA	D102514CCVA	ORG 74-87-3	Chloromethane	43		ug/L	5	0.43	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	86%		
D102514CCVA	D102514CCVA	ORG 75-01-4	Vinyl chloride	52		ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	104%		
D102514CCVA	D102514CCVA	ORG 74-83-9	Bromomethane	53		ug/L	5	0.50	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	106%		
D102514CCVA	D102514CCVA	ORG 75-00-3	Chloroethane	39		ug/L	5	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	78%		
D102514CCVA	D102514CCVA	ORG 75-69-4	Trichlorofluoromethane	99		ug/L	5	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	198%		
D102514CCVA	D102514CCVA	ORG 75-35-4	1,1-Dichloroethene	44		ug/L	1	0.47	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	88%		
D102514CCVA	D102514CCVA	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	88%		
D102514CCVA	D102514CCVA	ORG 67-64-1	Acetone	63		ug/L	10	1.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	126%		
D102514CCVA	D102514CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	94%		
D102514CCVA	D102514CCVA	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	106%		
D102514CCVA	D102514CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	90%		
D102514CCVA	D102514CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	108%		
D102514CCVA	D102514CCVA	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	96%		
D102514CCVA	D102514CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	90%		
D102514CCVA	D102514CCVA	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	96%		
D102514CCVA	D102514CCVA	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	100%		
D102514CCVA	D102514CCVA	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	100%		
D102514CCVA	D102514CCVA	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	98%		
D102514CCVA	D102514CCVA	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	88%		
D102514CCVA	D102514CCVA	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	98%		
D102514CCVA	D102514CCVA	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	96%		
D102514CCVA	D102514CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	98%		
D102514CCVA	D102514CCVA	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	90%		
D102514CCVA	D102514CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	108%		
D102514CCVA	D102514CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	92%		
D102514CCVA	D102514CCVA	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	108%		
D102514CCVA	D102514CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	110%		
D102514CCVA	D102514CCVA	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	94%		
D102514CCVA	D102514CCVA	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	90%		
D102514CCVA	D102514CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	100%		
D102514CCVA	D102514CCVA	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	100%		
D102514CCVA	D102514CCVA	ORG 591-78-6	2-Hexanone	46		ug/L	2	0.69	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	92%		
D102514CCVA	D102514CCVA	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	108%		
D102514CCVA	D102514CCVA	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	94%		
D102514CCVA	D102514CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	100%		
D102514CCVA	D102514CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	100	110%		
D102514CCVA	D102514CCVA	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	102%		
D102514CCVA	D102514CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	100%		
D102514CCVA	D102514CCVA	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	100%		
D102514CCVA	D102514CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	106%		
D102514CCVA	D102514CCVA	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	112%		
D102514CCVA	D102514CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	90%		

Confidential
D102514AKCF



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102514CCVA	D102514CCVA	ORG 96-18-4	1,2,3-Trichloropropane	43		ug/L	2	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	86%		
D102514CCVA	D102514CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	102%		
D102514CCVA	D102514CCVA	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	104%		
D102514CCVA	D102514CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	102%		
D102514CCVA	D102514CCVA	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	104%		
D102514CCVA	D102514CCVA	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	106%		
D102514CCVA	D102514CCVA	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	102%		
D102514CCVA	D102514CCVA	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	96%		
D102514CCVA	D102514CCVA	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	106%		
D102514CCVA	D102514CCVA	ORG 104-51-8	n-Butylbenzene	51		ug/L	5	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	102%		
D102514CCVA	D102514CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	49		ug/L	5	1.59	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	98%		
D102514CCVA	D102514CCVA	ORG 87-68-3	Hexachlorobutadiene	48		ug/L	5	0.65	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	96%		
D102514CCVA	D102514CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	90%		
D102514CCVA	D102514CCVA	ORG 91-20-3	Naphthalene	45		ug/L	5	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	90%		
D102514CCVA	D102514CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	48		ug/L	5	0.23	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	96%		
D102514CCVA	D102514CCVA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	96%		
D102514CCVA	D102514CCVA	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	90%		
D102514CCVA	D102514CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	94%		
D102514CCVA	D102514CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5085	50	102%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent	
D102514MBKA	D102514MBKA	ORG 75-71-8	Dichlorodifluoromethane	U	ug/L	5	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 74-87-3	Chloromethane	U	ug/L	5	0.43	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 75-01-4	Vinyl chloride	U	ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 74-83-9	Bromomethane	U	ug/L	5	0.50	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 75-00-3	Chloroethane	U	ug/L	5	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 75-69-4	Trichlorofluoromethane	U	ug/L	5	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 75-35-4	1,1-Dichloroethene	U	ug/L	1	0.47	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 75-09-2	Methylene chloride	U	ug/L	5	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 67-64-1	Acetone	U	ug/L	10	1.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U	ug/L	1	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 1634-04-4	MTBE	U	ug/L	5	0.61	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 75-34-3	1,1-Dichloroethane	U	ug/L	1	0.53	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U	ug/L	1	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 74-97-5	Bromochloromethane	U	ug/L	10	0.41	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 67-66-3	Chloroform	U	ug/L	2	0.16	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U	ug/L	1	0.17	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 78-93-3	2-Butanone	U	ug/L	1	0.81	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 56-23-5	Carbon tetrachloride	U	ug/L	1	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 71-43-2	Benzene	U	ug/L	1	0.14	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 107-06-2	1,2-Dichloroethane	U	ug/L	1	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 79-01-6	Trichloroethene	U	ug/L	1	0.36	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 74-95-3	Dibromomethane	U	ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 78-87-5	1,2-Dichloropropane	U	ug/L	1	0.18	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 75-27-4	Bromodichloromethane	U	ug/L	2	0.12	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U	ug/L	1	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 108-88-3	Toluene	U	ug/L	1	0.21	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U	ug/L	5	0.74	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U	ug/L	1	0.31	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 127-18-4	Tetrachloroethene	U	ug/L	1	0.49	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U	ug/L	1	0.34	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 124-48-1	Dibromochloromethane	U	ug/L	5	0.30	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 106-93-4	1,2-Dibromoethane	U	ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 591-78-6	2-Hexanone	U	ug/L	2	0.69	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 100-41-4	Ethylbenzene	U	ug/L	1	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 108-90-7	Chlorobenzene	U	ug/L	1	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U	ug/L	2	0.19	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG XYLMP	p&m-Xylene	U	ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 95-47-6	o-Xylene	U	ug/L	1	0.13	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 100-42-5	Styrene	U	ug/L	1	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 75-25-2	Bromoform	U	ug/L	2	0.47	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 98-82-8	Isopropylbenzene	U	ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 103-65-1	n-Propylbenzene	U	ug/L	2	0.27	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						
D102514MBKA	D102514MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U	ug/L	2	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087						



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102514MBKA	D102514MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087				
D102514MBKA	D102514MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087	50	94%		
D102514MBKA	D102514MBKA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087	50	96%		
D102514MBKA	D102514MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087	50	102%		
D102514MBKA	D102514MBKA	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5087	50	108%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102514ALCS	D102514ALCS	ORG 75-71-8	Dichlorodifluoromethane	46		ug/L	5	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	92%		
D102514ALCS	D102514ALCS	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	82%		
D102514ALCS	D102514ALCS	ORG 75-01-4	Vinyl chloride	46		ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	92%		
D102514ALCS	D102514ALCS	ORG 74-83-9	Bromomethane	45		ug/L	5	0.50	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	90%		
D102514ALCS	D102514ALCS	ORG 75-00-3	Chloroethane	36		ug/L	5	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	72%		
D102514ALCS	D102514ALCS	ORG 75-69-4	Trichlorofluoromethane	94		ug/L	5	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	188%		
D102514ALCS	D102514ALCS	ORG 75-35-4	1,1-Dichloroethene	42		ug/L	1	0.47	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	84%		
D102514ALCS	D102514ALCS	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	88%		
D102514ALCS	D102514ALCS	ORG 67-64-1	Acetone	81		ug/L	10	1.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	162%		
D102514ALCS	D102514ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	92%		
D102514ALCS	D102514ALCS	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	104%		
D102514ALCS	D102514ALCS	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	88%		
D102514ALCS	D102514ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	104%		
D102514ALCS	D102514ALCS	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	96%		
D102514ALCS	D102514ALCS	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	90%		
D102514ALCS	D102514ALCS	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	94%		
D102514ALCS	D102514ALCS	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	100%		
D102514ALCS	D102514ALCS	ORG 56-23-5	Carbon tetrachloride	48		ug/L	1	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	96%		
D102514ALCS	D102514ALCS	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	96%		
D102514ALCS	D102514ALCS	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	90%		
D102514ALCS	D102514ALCS	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	98%		
D102514ALCS	D102514ALCS	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	96%		
D102514ALCS	D102514ALCS	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	98%		
D102514ALCS	D102514ALCS	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	90%		
D102514ALCS	D102514ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	108%		
D102514ALCS	D102514ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	90%		
D102514ALCS	D102514ALCS	ORG 108-10-1	4-Methyl-2-pentanone	55		ug/L	5	0.74	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	110%		
D102514ALCS	D102514ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	110%		
D102514ALCS	D102514ALCS	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	94%		
D102514ALCS	D102514ALCS	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	90%		
D102514ALCS	D102514ALCS	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	100%		
D102514ALCS	D102514ALCS	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	102%		
D102514ALCS	D102514ALCS	ORG 591-78-6	2-Hexanone	51		ug/L	2	0.69	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	102%		
D102514ALCS	D102514ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	108%		
D102514ALCS	D102514ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	96%		
D102514ALCS	D102514ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	102%		
D102514ALCS	D102514ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	100	110%		
D102514ALCS	D102514ALCS	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	102%		
D102514ALCS	D102514ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	100%		
D102514ALCS	D102514ALCS	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	102%		
D102514ALCS	D102514ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	106%		
D102514ALCS	D102514ALCS	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	112%		
D102514ALCS	D102514ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	94%		

Confidential
D102514AKCF



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102514ALCS	D102514ALCS	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	92%		
D102514ALCS	D102514ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	102%		
D102514ALCS	D102514ALCS	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	104%		
D102514ALCS	D102514ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	102%		
D102514ALCS	D102514ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	104%		
D102514ALCS	D102514ALCS	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	106%		
D102514ALCS	D102514ALCS	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	102%		
D102514ALCS	D102514ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	98%		
D102514ALCS	D102514ALCS	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	106%		
D102514ALCS	D102514ALCS	ORG 104-51-8	n-Butylbenzene	51		ug/L	5	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	102%		
D102514ALCS	D102514ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	55		ug/L	5	1.59	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	110%		
D102514ALCS	D102514ALCS	ORG 87-68-3	Hexachlorobutadiene	48		ug/L	5	0.65	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	96%		
D102514ALCS	D102514ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	92%		
D102514ALCS	D102514ALCS	ORG 91-20-3	Naphthalene	50		ug/L	5	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	100%		
D102514ALCS	D102514ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	100%		
D102514ALCS	D102514ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	98%		
D102514ALCS	D102514ALCS	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	88%		
D102514ALCS	D102514ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	94%		
D102514ALCS	D102514ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5086	50	102%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102514ALCD	D102514ALCD	ORG 75-71-8	Dichlorodifluoromethane	49		ug/L	5	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	98%	6%	
D102514ALCD	D102514ALCD	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	82%	0%	
D102514ALCD	D102514ALCD	ORG 75-01-4	Vinyl chloride	50		ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	100%	8%	
D102514ALCD	D102514ALCD	ORG 74-83-9	Bromomethane	57		ug/L	5	0.50	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	114%	24%	
D102514ALCD	D102514ALCD	ORG 75-00-3	Chloroethane	44		ug/L	5	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	88%	20%	
D102514ALCD	D102514ALCD	ORG 75-69-4	Trichlorofluoromethane	300		ug/L	5	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	600%	105%	
D102514ALCD	D102514ALCD	ORG 75-35-4	1,1-Dichloroethene	52		ug/L	1	0.47	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	104%	21%	
D102514ALCD	D102514ALCD	ORG 75-09-2	Methylene chloride	49		ug/L	5	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	98%	11%	
D102514ALCD	D102514ALCD	ORG 67-64-1	Acetone	74		ug/L	10	1.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	148%	9%	
D102514ALCD	D102514ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	94%	2%	
D102514ALCD	D102514ALCD	ORG 1634-04-4	MTBE	48		ug/L	5	0.61	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	96%	8%	
D102514ALCD	D102514ALCD	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	90%	2%	
D102514ALCD	D102514ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	104%	0%	
D102514ALCD	D102514ALCD	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	96%	0%	
D102514ALCD	D102514ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	92%	2%	
D102514ALCD	D102514ALCD	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	98%	4%	
D102514ALCD	D102514ALCD	ORG 78-93-3	2-Butanone	44		ug/L	1	0.81	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	88%	13%	
D102514ALCD	D102514ALCD	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	100%	4%	
D102514ALCD	D102514ALCD	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	102%	6%	
D102514ALCD	D102514ALCD	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	92%	2%	
D102514ALCD	D102514ALCD	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	100%	2%	
D102514ALCD	D102514ALCD	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	96%	0%	
D102514ALCD	D102514ALCD	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	102%	4%	
D102514ALCD	D102514ALCD	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	92%	2%	
D102514ALCD	D102514ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	108%	0%	
D102514ALCD	D102514ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	94%	4%	
D102514ALCD	D102514ALCD	ORG 108-10-1	4-Methyl-2-pentanone	51		ug/L	5	0.74	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	102%	8%	
D102514ALCD	D102514ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	110%	0%	
D102514ALCD	D102514ALCD	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	90%	4%	
D102514ALCD	D102514ALCD	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	88%	2%	
D102514ALCD	D102514ALCD	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	98%	2%	
D102514ALCD	D102514ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	100%	2%	
D102514ALCD	D102514ALCD	ORG 591-78-6	2-Hexanone	43		ug/L	2	0.69	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	86%	17%	
D102514ALCD	D102514ALCD	ORG 100-41-4	Ethylbenzene	56		ug/L	1	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	112%	4%	
D102514ALCD	D102514ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	98%	2%	
D102514ALCD	D102514ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	104%	2%	
D102514ALCD	D102514ALCD	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	100	120%	9%	
D102514ALCD	D102514ALCD	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	106%	4%	
D102514ALCD	D102514ALCD	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	104%	4%	
D102514ALCD	D102514ALCD	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	98%	4%	
D102514ALCD	D102514ALCD	ORG 98-82-8	Isopropylbenzene	56		ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	112%	6%	
D102514ALCD	D102514ALCD	ORG 103-65-1	n-Propylbenzene	60		ug/L	2	0.27	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	120%	7%	
D102514ALCD	D102514ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	90%	4%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102514ALCD	D102514ALCD	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	90%	2%	
D102514ALCD	D102514ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	106%	4%	
D102514ALCD	D102514ALCD	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	110%	6%	
D102514ALCD	D102514ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	106%	4%	
D102514ALCD	D102514ALCD	ORG 135-98-8	sec-Butylbenzene	55		ug/L	2	0.32	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	110%	6%	
D102514ALCD	D102514ALCD	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	110%	4%	
D102514ALCD	D102514ALCD	ORG 99-87-6	p-Isopropyltoluene	54		ug/L	2	0.25	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	108%	6%	
D102514ALCD	D102514ALCD	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	100%	2%	
D102514ALCD	D102514ALCD	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	106%	0%	
D102514ALCD	D102514ALCD	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	108%	6%	
D102514ALCD	D102514ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	47		ug/L	5	1.59	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	94%	16%	
D102514ALCD	D102514ALCD	ORG 87-68-3	Hexachlorobutadiene	48		ug/L	5	0.65	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	96%	0%	
D102514ALCD	D102514ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	88%	4%	
D102514ALCD	D102514ALCD	ORG 91-20-3	Naphthalene	44		ug/L	5	0.56	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	88%	13%	
D102514ALCD	D102514ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	48		ug/L	5	0.23	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	96%	4%	
D102514ALCD	D102514ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	98%	0%	
D102514ALCD	D102514ALCD	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	90%	2%	
D102514ALCD	D102514ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	94%	0%	
D102514ALCD	D102514ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/25/2014	10/25/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5090	50	102%	0%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1724MS	T1-047	ORG 75-71-8	Dichlorodifluoromethane	4700		ug/L	500	29.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	94%		
NAL13026-1724MS	T1-047	ORG 74-87-3	Chloromethane	4100		ug/L	500	43.07	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	82%		
NAL13026-1724MS	T1-047	ORG 75-01-4	Vinyl chloride	4900		ug/L	200	31.86	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	98%		
NAL13026-1724MS	T1-047	ORG 74-83-9	Bromomethane	4800		ug/L	500	50.04	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	96%		
NAL13026-1724MS	T1-047	ORG 75-00-3	Chloroethane	3900		ug/L	500	55.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	78%		
NAL13026-1724MS	T1-047	ORG 75-69-4	Trichlorofluoromethane	12000		ug/L	500	19.65	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	240%		
NAL13026-1724MS	T1-047	ORG 75-35-4	1,1-Dichloroethene	4300		ug/L	100	47.11	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	86%		
NAL13026-1724MS	T1-047	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	88%		
NAL13026-1724MS	T1-047	ORG 67-64-1	Acetone	62000		ug/L	1000	155.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	-120%		68000
NAL13026-1724MS	T1-047	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	92%		
NAL13026-1724MS	T1-047	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	100%		
NAL13026-1724MS	T1-047	ORG 75-34-3	1,1-Dichloroethane	4400		ug/L	100	52.66	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	88%		
NAL13026-1724MS	T1-047	ORG 156-59-2	cis-1,2-Dichloroethene	5300		ug/L	100	32.11	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	106%		
NAL13026-1724MS	T1-047	ORG 74-97-5	Bromochloromethane	4800		ug/L	1000	41.37	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	96%		
NAL13026-1724MS	T1-047	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	90%		
NAL13026-1724MS	T1-047	ORG 71-55-6	1,1,1-Trichloroethane	4700		ug/L	100	16.65	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	94%		
NAL13026-1724MS	T1-047	ORG 78-93-3	2-Butanone	14000		ug/L	100	81.18	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	102%		8900
NAL13026-1724MS	T1-047	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	98%		
NAL13026-1724MS	T1-047	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	100%		
NAL13026-1724MS	T1-047	ORG 107-06-2	1,2-Dichloroethane	4500		ug/L	100	20.01	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	90%		
NAL13026-1724MS	T1-047	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	96%		
NAL13026-1724MS	T1-047	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	100%		
NAL13026-1724MS	T1-047	ORG 78-87-5	1,2-Dichloropropane	5100		ug/L	100	18.17	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	102%		
NAL13026-1724MS	T1-047	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	92%		
NAL13026-1724MS	T1-047	ORG 10061-01-5	cis-1,3-Dichloropropene	5400		ug/L	100	25.01	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	108%		
NAL13026-1724MS	T1-047	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	92%		
NAL13026-1724MS	T1-047	ORG 108-10-1	4-Methyl-2-pentanone	5600		ug/L	500	74.00	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	109%		130
NAL13026-1724MS	T1-047	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	112%		
NAL13026-1724MS	T1-047	ORG 127-18-4	Tetrachloroethene	4600		ug/L	100	48.56	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	92%		
NAL13026-1724MS	T1-047	ORG 79-00-5	1,1,2-Trichloroethane	4700		ug/L	100	34.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	94%		
NAL13026-1724MS	T1-047	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	102%		
NAL13026-1724MS	T1-047	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	104%		
NAL13026-1724MS	T1-047	ORG 591-78-6	2-Hexanone	4200		ug/L	200	68.90	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	84%		
NAL13026-1724MS	T1-047	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	108%		
NAL13026-1724MS	T1-047	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	94%		
NAL13026-1724MS	T1-047	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	100%		
NAL13026-1724MS	T1-047	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	10000	110%		
NAL13026-1724MS	T1-047	ORG 95-47-6	o-Xylene	5100		ug/L	100	12.90	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	102%		
NAL13026-1724MS	T1-047	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	102%		
NAL13026-1724MS	T1-047	ORG 75-25-2	Bromoform	5000		ug/L	200	46.83	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	100%		
NAL13026-1724MS	T1-047	ORG 98-82-8	Isopropylbenzene	5300		ug/L	200	20.48	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	106%		
NAL13026-1724MS	T1-047	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	114%		
NAL13026-1724MS	T1-047	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1724MS	T1-047	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	92%		
NAL13026-1724MS	T1-047	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	102%		
NAL13026-1724MS	T1-047	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	104%		
NAL13026-1724MS	T1-047	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	102%		
NAL13026-1724MS	T1-047	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	106%		
NAL13026-1724MS	T1-047	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	106%		
NAL13026-1724MS	T1-047	ORG 99-87-6	p-Isopropyltoluene	5200		ug/L	200	25.48	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	100%		190
NAL13026-1724MS	T1-047	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	98%		
NAL13026-1724MS	T1-047	ORG 95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	108%		
NAL13026-1724MS	T1-047	ORG 104-51-8	n-Butylbenzene	5200		ug/L	500	27.81	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	104%		
NAL13026-1724MS	T1-047	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5500		ug/L	500	159.11	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	110%		
NAL13026-1724MS	T1-047	ORG 87-68-3	Hexachlorobutadiene	4700		ug/L	500	65.42	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	94%		
NAL13026-1724MS	T1-047	ORG 120-82-1	1,2,4-Trichlorobenzene	4700		ug/L	500	27.63	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	94%		
NAL13026-1724MS	T1-047	ORG 91-20-3	Naphthalene	5500		ug/L	500	56.04	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	107%		150
NAL13026-1724MS	T1-047	ORG 87-61-6	1,2,3-Trichlorobenzene	5000		ug/L	500	23.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	5000	100%		
NAL13026-1724MS	T1-047	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	50	98%		
NAL13026-1724MS	T1-047	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	50	90%		
NAL13026-1724MS	T1-047	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	50	96%		
NAL13026-1724MS	T1-047	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5091	50	104%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1724MSD	T1-047	ORG 75-71-8	Dichlorodifluoromethane	4700		ug/L	500	29.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	94%	0%	
NAL13026-1724MSD	T1-047	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	88%	7%	
NAL13026-1724MSD	T1-047	ORG 75-01-4	Vinyl chloride	4900		ug/L	200	31.86	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	98%	0%	
NAL13026-1724MSD	T1-047	ORG 74-83-9	Bromomethane	4000		ug/L	500	50.04	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	80%	18%	
NAL13026-1724MSD	T1-047	ORG 75-00-3	Chloroethane	3900		ug/L	500	55.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	78%	0%	
NAL13026-1724MSD	T1-047	ORG 75-69-4	Trichlorofluoromethane	11000		ug/L	500	19.65	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	220%	9%	
NAL13026-1724MSD	T1-047	ORG 75-35-4	1,1-Dichloroethene	4500		ug/L	100	47.11	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	90%	5%	
NAL13026-1724MSD	T1-047	ORG 75-09-2	Methylene chloride	4200		ug/L	500	26.46	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	84%	5%	
NAL13026-1724MSD	T1-047	ORG 67-64-1	Acetone	60000		ug/L	1000	155.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	-160%	3%	68000
NAL13026-1724MSD	T1-047	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	90%	2%	
NAL13026-1724MSD	T1-047	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	100%	0%	
NAL13026-1724MSD	T1-047	ORG 75-34-3	1,1-Dichloroethane	4300		ug/L	100	52.66	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	86%	2%	
NAL13026-1724MSD	T1-047	ORG 156-59-2	cis-1,2-Dichloroethene	5300		ug/L	100	32.11	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	106%	0%	
NAL13026-1724MSD	T1-047	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	94%	2%	
NAL13026-1724MSD	T1-047	ORG 67-66-3	Chloroform	4400		ug/L	200	15.73	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	88%	2%	
NAL13026-1724MSD	T1-047	ORG 71-55-6	1,1,1-Trichloroethane	4700		ug/L	100	16.65	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	94%	0%	
NAL13026-1724MSD	T1-047	ORG 78-93-3	2-Butanone	13000		ug/L	100	81.18	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	82%	7%	8900
NAL13026-1724MSD	T1-047	ORG 56-23-5	Carbon tetrachloride	4800		ug/L	100	27.64	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	96%	2%	
NAL13026-1724MSD	T1-047	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	96%	4%	
NAL13026-1724MSD	T1-047	ORG 107-06-2	1,2-Dichloroethane	4400		ug/L	100	20.01	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	88%	2%	
NAL13026-1724MSD	T1-047	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	96%	0%	
NAL13026-1724MSD	T1-047	ORG 74-95-3	Dibromomethane	4800		ug/L	200	32.20	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	96%	4%	
NAL13026-1724MSD	T1-047	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	100%	2%	
NAL13026-1724MSD	T1-047	ORG 75-27-4	Bromodichloromethane	4500		ug/L	200	11.58	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	90%	2%	
NAL13026-1724MSD	T1-047	ORG 10061-01-5	cis-1,3-Dichloropropene	5300		ug/L	100	25.01	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	106%	2%	
NAL13026-1724MSD	T1-047	ORG 108-88-3	Toluene	4500		ug/L	100	20.96	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	90%	2%	
NAL13026-1724MSD	T1-047	ORG 108-10-1	4-Methyl-2-pentanone	5100		ug/L	500	74.00	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	99%	9%	130
NAL13026-1724MSD	T1-047	ORG 10061-02-6	trans-1,3-Dichloropropene	5400		ug/L	100	31.15	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	108%	4%	
NAL13026-1724MSD	T1-047	ORG 127-18-4	Tetrachloroethene	4800		ug/L	100	48.56	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	96%	4%	
NAL13026-1724MSD	T1-047	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	90%	4%	
NAL13026-1724MSD	T1-047	ORG 124-48-1	Dibromochloromethane	4800		ug/L	500	29.90	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	96%	6%	
NAL13026-1724MSD	T1-047	ORG 106-93-4	1,2-Dibromoethane	4900		ug/L	200	26.49	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	98%	6%	
NAL13026-1724MSD	T1-047	ORG 591-78-6	2-Hexanone	3400		ug/L	200	68.90	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	68%	21%	
NAL13026-1724MSD	T1-047	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	108%	0%	
NAL13026-1724MSD	T1-047	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	94%	0%	
NAL13026-1724MSD	T1-047	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	98%	2%	
NAL13026-1724MSD	T1-047	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	10000	110%	0%	
NAL13026-1724MSD	T1-047	ORG 95-47-6	o-Xylene	5100		ug/L	100	12.90	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	102%	0%	
NAL13026-1724MSD	T1-047	ORG 100-42-5	Styrene	5000		ug/L	100	20.23	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	100%	2%	
NAL13026-1724MSD	T1-047	ORG 75-25-2	Bromoform	4900		ug/L	200	46.83	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	98%	2%	
NAL13026-1724MSD	T1-047	ORG 98-82-8	Isopropylbenzene	5300		ug/L	200	20.48	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	106%	0%	
NAL13026-1724MSD	T1-047	ORG 103-65-1	n-Propylbenzene	5600		ug/L	200	27.00	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	112%	2%	
NAL13026-1724MSD	T1-047	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4500		ug/L	200	29.16	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	90%	6%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1724MSD	T1-047	ORG 96-18-4	1,2,3-Trichloropropane	4400		ug/L	200	29.47	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	88%	4%	
NAL13026-1724MSD	T1-047	ORG 108-67-8	1,3,5-Trimethylbenzene	5000		ug/L	200	20.03	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	100%	2%	
NAL13026-1724MSD	T1-047	ORG 98-06-6	tert-Butylbenzene	5100		ug/L	200	32.61	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	102%	2%	
NAL13026-1724MSD	T1-047	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	100%	2%	
NAL13026-1724MSD	T1-047	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	104%	2%	
NAL13026-1724MSD	T1-047	ORG 541-73-1	1,3-Dichlorobenzene	5200		ug/L	200	22.21	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	104%	2%	
NAL13026-1724MSD	T1-047	ORG 99-87-6	p-Isopropyltoluene	5100		ug/L	200	25.48	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	98%	2%	190
NAL13026-1724MSD	T1-047	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	98%	0%	
NAL13026-1724MSD	T1-047	ORG 95-50-1	1,2-Dichlorobenzene	5300		ug/L	200	26.38	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	106%	2%	
NAL13026-1724MSD	T1-047	ORG 104-51-8	n-Butylbenzene	5100		ug/L	500	27.81	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	102%	2%	
NAL13026-1724MSD	T1-047	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5700		ug/L	500	159.11	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	114%	4%	
NAL13026-1724MSD	T1-047	ORG 87-68-3	Hexachlorobutadiene	4600		ug/L	500	65.42	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	92%	2%	
NAL13026-1724MSD	T1-047	ORG 120-82-1	1,2,4-Trichlorobenzene	4600		ug/L	500	27.63	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	92%	2%	
NAL13026-1724MSD	T1-047	ORG 91-20-3	Naphthalene	5300		ug/L	500	56.04	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	103%	4%	150
NAL13026-1724MSD	T1-047	ORG 87-61-6	1,2,3-Trichlorobenzene	4900		ug/L	500	23.28	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	5000	98%	2%	
NAL13026-1724MSD	T1-047	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	50	98%	0%	
NAL13026-1724MSD	T1-047	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	50	90%	0%	
NAL13026-1724MSD	T1-047	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	50	94%	2%	
NAL13026-1724MSD	T1-047	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/25/2014	10/25/2014	10/25/2014	WG	100	NA	5.0	NA	SW8260B	NALD5092	50	104%	0%	

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1725	T1-048	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 75-00-3	Chloroethane		UX-	ug/L	500	55.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 67-64-1	Acetone	75000	DBX+	ug/L	10000	1556.07	10/26/2014	10/26/2014	10/26/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5099				
NAL13026-1725	T1-048	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 78-93-3	2-Butanone	12000		ug/L	1000	81.18	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 108-10-1	4-Methyl-2-pentanone	130	J	ug/L	500	74.00	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1725	T1-048	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 99-87-6	p-Isopropyltoluene	200		ug/L	200	25.48	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 106-46-7	1,4-Dichlorobenzene	36	J	ug/L	200	33.03	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 91-20-3	Naphthalene	170	J	ug/L	500	56.04	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098				
NAL13026-1725	T1-048	STD 1868-53-7	Dibromofluoromethane	43		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098	50	86%		
NAL13026-1725	T1-048	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098	50	96%		
NAL13026-1725	T1-048	STD 2037-26-5	Toluene d8	53		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098	50	106%		
NAL13026-1725	T1-048	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5098	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102614CCVA	D102614CCVA	ORG 75-71-8	Dichlorodifluoromethane	46		ug/L	5	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	92%		
D102614CCVA	D102614CCVA	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	84%		
D102614CCVA	D102614CCVA	ORG 75-01-4	Vinyl chloride	48		ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	96%		
D102614CCVA	D102614CCVA	ORG 74-83-9	Bromomethane	51		ug/L	5	0.50	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	102%		
D102614CCVA	D102614CCVA	ORG 75-00-3	Chloroethane	37		ug/L	5	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	74%		
D102614CCVA	D102614CCVA	ORG 75-69-4	Trichlorofluoromethane	86		ug/L	5	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	172%		
D102614CCVA	D102614CCVA	ORG 75-35-4	1,1-Dichloroethene	40		ug/L	1	0.47	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	80%		
D102614CCVA	D102614CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	90%		
D102614CCVA	D102614CCVA	ORG 67-64-1	Acetone	72		ug/L	10	1.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	144%		
D102614CCVA	D102614CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	92%		
D102614CCVA	D102614CCVA	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	104%		
D102614CCVA	D102614CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	90%		
D102614CCVA	D102614CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	108%		
D102614CCVA	D102614CCVA	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	96%		
D102614CCVA	D102614CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	90%		
D102614CCVA	D102614CCVA	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	98%		
D102614CCVA	D102614CCVA	ORG 78-93-3	2-Butanone	49		ug/L	1	0.81	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	98%		
D102614CCVA	D102614CCVA	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	100%		
D102614CCVA	D102614CCVA	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	98%		
D102614CCVA	D102614CCVA	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	88%		
D102614CCVA	D102614CCVA	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	98%		
D102614CCVA	D102614CCVA	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	96%		
D102614CCVA	D102614CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	98%		
D102614CCVA	D102614CCVA	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	90%		
D102614CCVA	D102614CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	108%		
D102614CCVA	D102614CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	92%		
D102614CCVA	D102614CCVA	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	108%		
D102614CCVA	D102614CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	110%		
D102614CCVA	D102614CCVA	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	96%		
D102614CCVA	D102614CCVA	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	88%		
D102614CCVA	D102614CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	100%		
D102614CCVA	D102614CCVA	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	100%		
D102614CCVA	D102614CCVA	ORG 591-78-6	2-Hexanone	46		ug/L	2	0.69	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	92%		
D102614CCVA	D102614CCVA	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	110%		
D102614CCVA	D102614CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	96%		
D102614CCVA	D102614CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	102%		
D102614CCVA	D102614CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	100	110%		
D102614CCVA	D102614CCVA	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	104%		
D102614CCVA	D102614CCVA	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	102%		
D102614CCVA	D102614CCVA	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	104%		
D102614CCVA	D102614CCVA	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	108%		
D102614CCVA	D102614CCVA	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	116%		
D102614CCVA	D102614CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	92%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102614CCVA	D102614CCVA	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	90%		
D102614CCVA	D102614CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	104%		
D102614CCVA	D102614CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	106%		
D102614CCVA	D102614CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	104%		
D102614CCVA	D102614CCVA	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	106%		
D102614CCVA	D102614CCVA	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	108%		
D102614CCVA	D102614CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	104%		
D102614CCVA	D102614CCVA	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	100%		
D102614CCVA	D102614CCVA	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	106%		
D102614CCVA	D102614CCVA	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	104%		
D102614CCVA	D102614CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	50		ug/L	5	1.59	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	100%		
D102614CCVA	D102614CCVA	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	98%		
D102614CCVA	D102614CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	92%		
D102614CCVA	D102614CCVA	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	92%		
D102614CCVA	D102614CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	98%		
D102614CCVA	D102614CCVA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	96%		
D102614CCVA	D102614CCVA	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	90%		
D102614CCVA	D102614CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	94%		
D102614CCVA	D102614CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5094	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102614MBKA	D102614MBKA	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	5	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 74-87-3	Chloromethane		U	ug/L	5	0.43	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 75-01-4	Vinyl chloride		U	ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 74-83-9	Bromomethane		U	ug/L	5	0.50	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 75-00-3	Chloroethane		U	ug/L	5	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	5	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	1	0.47	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 75-09-2	Methylene chloride		U	ug/L	5	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 67-64-1	Acetone	11	U	ug/L	10	1.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	1	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 1634-04-4	MTBE		U	ug/L	5	0.61	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	1	0.53	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	1	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 74-97-5	Bromochloromethane		U	ug/L	10	0.41	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 67-66-3	Chloroform		U	ug/L	2	0.16	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	1	0.17	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 78-93-3	2-Butanone		U	ug/L	1	0.81	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 56-23-5	Carbon tetrachloride		U	ug/L	1	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 71-43-2	Benzene		U	ug/L	1	0.14	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	1	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 79-01-6	Trichloroethene		U	ug/L	1	0.36	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 74-95-3	Dibromomethane		U	ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	1	0.18	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 75-27-4	Bromodichloromethane		U	ug/L	2	0.12	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	1	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 108-88-3	Toluene		U	ug/L	1	0.21	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 108-10-1	4-Methyl-2-pentanone		U	ug/L	5	0.74	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	1	0.31	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 127-18-4	Tetrachloroethene		U	ug/L	1	0.49	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	1	0.34	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 124-48-1	Dibromochloromethane		U	ug/L	5	0.30	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 591-78-6	2-Hexanone		U	ug/L	2	0.69	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 100-41-4	Ethylbenzene		U	ug/L	1	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 108-90-7	Chlorobenzene		U	ug/L	1	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	2	0.19	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG XYLMP	p&m-Xylene		U	ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 95-47-6	o-Xylene		U	ug/L	1	0.13	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 100-42-4	Styrene		U	ug/L	1	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 75-25-2	Bromoform		U	ug/L	2	0.47	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 98-82-8	Isopropylbenzene		U	ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 103-65-1	n-Propylbenzene		U	ug/L	2	0.27	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	2	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102614MBKA	D102614MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096				
D102614MBKA	D102614MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096	50	94%		
D102614MBKA	D102614MBKA	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096	50	94%		
D102614MBKA	D102614MBKA	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096	50	100%		
D102614MBKA	D102614MBKA	STD 460-00-4	Bromofluorobenzene	56		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5096	50	112%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102614ALCS	D102614ALCS	ORG 75-71-8	Dichlorodifluoromethane	47		ug/L	5	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	94%		
D102614ALCS	D102614ALCS	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	84%		
D102614ALCS	D102614ALCS	ORG 75-01-4	Vinyl chloride	48		ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	96%		
D102614ALCS	D102614ALCS	ORG 74-83-9	Bromomethane	45		ug/L	5	0.50	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	90%		
D102614ALCS	D102614ALCS	ORG 75-00-3	Chloroethane	35		ug/L	5	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	70%		
D102614ALCS	D102614ALCS	ORG 75-69-4	Trichlorofluoromethane	68		ug/L	5	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	136%		
D102614ALCS	D102614ALCS	ORG 75-35-4	1,1-Dichloroethene	37		ug/L	1	0.47	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	74%		
D102614ALCS	D102614ALCS	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	88%		
D102614ALCS	D102614ALCS	ORG 67-64-1	Acetone	89	B	ug/L	10	1.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	178%		
D102614ALCS	D102614ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	92%		
D102614ALCS	D102614ALCS	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	102%		
D102614ALCS	D102614ALCS	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	88%		
D102614ALCS	D102614ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	108%		
D102614ALCS	D102614ALCS	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	98%		
D102614ALCS	D102614ALCS	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	90%		
D102614ALCS	D102614ALCS	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	96%		
D102614ALCS	D102614ALCS	ORG 78-93-3	2-Butanone	46		ug/L	1	0.81	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	92%		
D102614ALCS	D102614ALCS	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	98%		
D102614ALCS	D102614ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	98%		
D102614ALCS	D102614ALCS	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	90%		
D102614ALCS	D102614ALCS	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	96%		
D102614ALCS	D102614ALCS	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	98%		
D102614ALCS	D102614ALCS	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	98%		
D102614ALCS	D102614ALCS	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	90%		
D102614ALCS	D102614ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	106%		
D102614ALCS	D102614ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	90%		
D102614ALCS	D102614ALCS	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	108%		
D102614ALCS	D102614ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	110%		
D102614ALCS	D102614ALCS	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	96%		
D102614ALCS	D102614ALCS	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	90%		
D102614ALCS	D102614ALCS	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	100%		
D102614ALCS	D102614ALCS	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	102%		
D102614ALCS	D102614ALCS	ORG 591-78-6	2-Hexanone	50		ug/L	2	0.69	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	100%		
D102614ALCS	D102614ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	108%		
D102614ALCS	D102614ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	96%		
D102614ALCS	D102614ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	102%		
D102614ALCS	D102614ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	100	110%		
D102614ALCS	D102614ALCS	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	102%		
D102614ALCS	D102614ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	100%		
D102614ALCS	D102614ALCS	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	104%		
D102614ALCS	D102614ALCS	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	108%		
D102614ALCS	D102614ALCS	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	114%		
D102614ALCS	D102614ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	94%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102614ALCS	D102614ALCS	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	92%		
D102614ALCS	D102614ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	102%		
D102614ALCS	D102614ALCS	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	104%		
D102614ALCS	D102614ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	102%		
D102614ALCS	D102614ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	104%		
D102614ALCS	D102614ALCS	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	108%		
D102614ALCS	D102614ALCS	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	104%		
D102614ALCS	D102614ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	98%		
D102614ALCS	D102614ALCS	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	106%		
D102614ALCS	D102614ALCS	ORG 104-51-8	n-Butylbenzene	51		ug/L	5	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	102%		
D102614ALCS	D102614ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	51		ug/L	5	1.59	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	102%		
D102614ALCS	D102614ALCS	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	98%		
D102614ALCS	D102614ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	47		ug/L	5	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	94%		
D102614ALCS	D102614ALCS	ORG 91-20-3	Naphthalene	50		ug/L	5	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	100%		
D102614ALCS	D102614ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	100%		
D102614ALCS	D102614ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	98%		
D102614ALCS	D102614ALCS	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	88%		
D102614ALCS	D102614ALCS	STD 2037-26-5	Toluene d8	46		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	92%		
D102614ALCS	D102614ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5095	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102614ALCD	D102614ALCD	ORG 75-71-8	Dichlorodifluoromethane	49		ug/L	5	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	98%	4%	
D102614ALCD	D102614ALCD	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	84%	0%	
D102614ALCD	D102614ALCD	ORG 75-01-4	Vinyl chloride	51		ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	102%	6%	
D102614ALCD	D102614ALCD	ORG 74-83-9	Bromomethane	56		ug/L	5	0.50	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	112%	22%	
D102614ALCD	D102614ALCD	ORG 75-00-3	Chloroethane	44		ug/L	5	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	88%	23%	
D102614ALCD	D102614ALCD	ORG 75-69-4	Trichlorofluoromethane	310		ug/L	5	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	620%	128%	
D102614ALCD	D102614ALCD	ORG 75-35-4	1,1-Dichloroethene	52		ug/L	1	0.47	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	104%	34%	
D102614ALCD	D102614ALCD	ORG 75-09-2	Methylene chloride	49		ug/L	5	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	98%	11%	
D102614ALCD	D102614ALCD	ORG 67-64-1	Acetone	55	B	ug/L	10	1.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	110%	47%	
D102614ALCD	D102614ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	92%	0%	
D102614ALCD	D102614ALCD	ORG 1634-04-4	MTBE	48		ug/L	5	0.61	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	96%	6%	
D102614ALCD	D102614ALCD	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	90%	2%	
D102614ALCD	D102614ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	104%	4%	
D102614ALCD	D102614ALCD	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	96%	2%	
D102614ALCD	D102614ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	92%	2%	
D102614ALCD	D102614ALCD	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	96%	0%	
D102614ALCD	D102614ALCD	ORG 78-93-3	2-Butanone	47		ug/L	1	0.81	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	94%	2%	
D102614ALCD	D102614ALCD	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	98%	0%	
D102614ALCD	D102614ALCD	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	102%	4%	
D102614ALCD	D102614ALCD	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	92%	2%	
D102614ALCD	D102614ALCD	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	98%	2%	
D102614ALCD	D102614ALCD	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	96%	2%	
D102614ALCD	D102614ALCD	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	102%	4%	
D102614ALCD	D102614ALCD	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	92%	2%	
D102614ALCD	D102614ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	110%	4%	
D102614ALCD	D102614ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	94%	4%	
D102614ALCD	D102614ALCD	ORG 108-10-1	4-Methyl-2-pentanone	51		ug/L	5	0.74	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	102%	6%	
D102614ALCD	D102614ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	112%	2%	
D102614ALCD	D102614ALCD	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	90%	6%	
D102614ALCD	D102614ALCD	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	92%	2%	
D102614ALCD	D102614ALCD	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	100%	0%	
D102614ALCD	D102614ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	100%	2%	
D102614ALCD	D102614ALCD	ORG 591-78-6	2-Hexanone	45		ug/L	2	0.69	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	90%	11%	
D102614ALCD	D102614ALCD	ORG 100-41-4	Ethylbenzene	57		ug/L	1	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	114%	5%	
D102614ALCD	D102614ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	98%	2%	
D102614ALCD	D102614ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	104%	2%	
D102614ALCD	D102614ALCD	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	100	120%	9%	
D102614ALCD	D102614ALCD	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	106%	4%	
D102614ALCD	D102614ALCD	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	104%	4%	
D102614ALCD	D102614ALCD	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	96%	8%	
D102614ALCD	D102614ALCD	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	110%	2%	
D102614ALCD	D102614ALCD	ORG 103-65-1	n-Propylbenzene	59		ug/L	2	0.27	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	118%	3%	
D102614ALCD	D102614ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	90%	4%	

Confidential
D102614AKCF

D102614AKCF



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102614ALCD	D102614ALCD	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	88%	4%	
D102614ALCD	D102614ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	106%	4%	
D102614ALCD	D102614ALCD	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	108%	4%	
D102614ALCD	D102614ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	106%	4%	
D102614ALCD	D102614ALCD	ORG 135-98-8	sec-Butylbenzene	55		ug/L	2	0.32	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	110%	6%	
D102614ALCD	D102614ALCD	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	108%	0%	
D102614ALCD	D102614ALCD	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	106%	2%	
D102614ALCD	D102614ALCD	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	98%	0%	
D102614ALCD	D102614ALCD	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	106%	0%	
D102614ALCD	D102614ALCD	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	108%	6%	
D102614ALCD	D102614ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	47		ug/L	5	1.59	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	94%	8%	
D102614ALCD	D102614ALCD	ORG 87-68-3	Hexachlorobutadiene	48		ug/L	5	0.65	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	96%	2%	
D102614ALCD	D102614ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	88%	7%	
D102614ALCD	D102614ALCD	ORG 91-20-3	Naphthalene	44		ug/L	5	0.56	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	88%	13%	
D102614ALCD	D102614ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	47		ug/L	5	0.23	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	94%	6%	
D102614ALCD	D102614ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	100%	2%	
D102614ALCD	D102614ALCD	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	92%	4%	
D102614ALCD	D102614ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	96%	4%	
D102614ALCD	D102614ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/26/2014	10/26/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5100	50	102%	0%	

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1725MS	T1-048	ORG 75-71-8	Dichlorodifluoromethane	4700		ug/L	500	29.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	94%		
NAL13026-1725MS	T1-048	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	88%		
NAL13026-1725MS	T1-048	ORG 75-01-4	Vinyl chloride	4800		ug/L	200	31.86	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	96%		
NAL13026-1725MS	T1-048	ORG 74-83-9	Bromomethane	4200		ug/L	500	50.04	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	84%		
NAL13026-1725MS	T1-048	ORG 75-00-3	Chloroethane	4000		ug/L	500	55.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	80%		
NAL13026-1725MS	T1-048	ORG 75-69-4	Trichlorofluoromethane	7700		ug/L	500	19.65	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	154%		
NAL13026-1725MS	T1-048	ORG 75-35-4	1,1-Dichloroethene	4400		ug/L	100	47.11	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	88%		
NAL13026-1725MS	T1-048	ORG 75-09-2	Methylene chloride	4300		ug/L	500	26.46	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	86%		
NAL13026-1725MS	T1-048	ORG 67-64-1	Acetone	83000	B	ug/L	1000	155.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	160%		75000
NAL13026-1725MS	T1-048	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	92%		
NAL13026-1725MS	T1-048	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	100%		
NAL13026-1725MS	T1-048	ORG 75-34-3	1,1-Dichloroethane	4400		ug/L	100	52.66	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	88%		
NAL13026-1725MS	T1-048	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	108%		
NAL13026-1725MS	T1-048	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	94%		
NAL13026-1725MS	T1-048	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	92%		
NAL13026-1725MS	T1-048	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	96%		
NAL13026-1725MS	T1-048	ORG 78-93-3	2-Butanone	18000		ug/L	100	81.18	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	120%		12000
NAL13026-1725MS	T1-048	ORG 56-23-5	Carbon tetrachloride	5000		ug/L	100	27.64	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	100%		
NAL13026-1725MS	T1-048	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	98%		
NAL13026-1725MS	T1-048	ORG 107-06-2	1,2-Dichloroethane	4400		ug/L	100	20.01	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	88%		
NAL13026-1725MS	T1-048	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	98%		
NAL13026-1725MS	T1-048	ORG 74-95-3	Dibromomethane	5100		ug/L	200	32.20	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	102%		
NAL13026-1725MS	T1-048	ORG 78-87-5	1,2-Dichloropropane	5100		ug/L	100	18.17	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	102%		
NAL13026-1725MS	T1-048	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	92%		
NAL13026-1725MS	T1-048	ORG 10061-01-5	cis-1,3-Dichloropropene	5500		ug/L	100	25.01	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	110%		
NAL13026-1725MS	T1-048	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	92%		
NAL13026-1725MS	T1-048	ORG 108-10-1	4-Methyl-2-pentanone	5600		ug/L	500	74.00	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	109%		130
NAL13026-1725MS	T1-048	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	112%		
NAL13026-1725MS	T1-048	ORG 127-18-4	Tetrachloroethene	4500		ug/L	100	48.56	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	90%		
NAL13026-1725MS	T1-048	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	92%		
NAL13026-1725MS	T1-048	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	98%		
NAL13026-1725MS	T1-048	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	104%		
NAL13026-1725MS	T1-048	ORG 591-78-6	2-Hexanone	3900		ug/L	200	68.90	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	78%		
NAL13026-1725MS	T1-048	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	108%		
NAL13026-1725MS	T1-048	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	94%		
NAL13026-1725MS	T1-048	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	102%		
NAL13026-1725MS	T1-048	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	10000	110%		
NAL13026-1725MS	T1-048	ORG 95-47-6	o-Xylene	5100		ug/L	100	12.90	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	102%		
NAL13026-1725MS	T1-048	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	102%		
NAL13026-1725MS	T1-048	ORG 75-25-2	Bromoform	5100		ug/L	200	46.83	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	102%		
NAL13026-1725MS	T1-048	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	108%		
NAL13026-1725MS	T1-048	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	114%		
NAL13026-1725MS	T1-048	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	94%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1725MS	T1-048	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	92%		
NAL13026-1725MS	T1-048	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	102%		
NAL13026-1725MS	T1-048	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	104%		
NAL13026-1725MS	T1-048	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	104%		
NAL13026-1725MS	T1-048	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	106%		
NAL13026-1725MS	T1-048	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	106%		
NAL13026-1725MS	T1-048	ORG 99-87-6	p-Isopropyltoluene	5200		ug/L	200	25.48	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	100%		200
NAL13026-1725MS	T1-048	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	97%		36
NAL13026-1725MS	T1-048	ORG 95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	108%		
NAL13026-1725MS	T1-048	ORG 104-51-8	n-Butylbenzene	5300		ug/L	500	27.81	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	106%		
NAL13026-1725MS	T1-048	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5700		ug/L	500	159.11	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	114%		
NAL13026-1725MS	T1-048	ORG 87-68-3	Hexachlorobutadiene	4700		ug/L	500	65.42	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	94%		
NAL13026-1725MS	T1-048	ORG 120-82-1	1,2,4-Trichlorobenzene	4700		ug/L	500	27.63	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	94%		
NAL13026-1725MS	T1-048	ORG 91-20-3	Naphthalene	5400		ug/L	500	56.04	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	105%		170
NAL13026-1725MS	T1-048	ORG 87-61-6	1,2,3-Trichlorobenzene	4900		ug/L	500	23.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	5000	98%		
NAL13026-1725MS	T1-048	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	50	98%		
NAL13026-1725MS	T1-048	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	50	90%		
NAL13026-1725MS	T1-048	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	50	94%		
NAL13026-1725MS	T1-048	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5101	50	104%		

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1725MSD	T1-048	ORG 75-71-8	Dichlorodifluoromethane	4700		ug/L	500	29.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	94%	0%	
NAL13026-1725MSD	T1-048	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	88%	0%	
NAL13026-1725MSD	T1-048	ORG 75-01-4	Vinyl chloride	4800		ug/L	200	31.86	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	96%	0%	
NAL13026-1725MSD	T1-048	ORG 74-83-9	Bromomethane	4000		ug/L	500	50.04	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	80%	5%	
NAL13026-1725MSD	T1-048	ORG 75-00-3	Chloroethane	3900		ug/L	500	55.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	78%	3%	
NAL13026-1725MSD	T1-048	ORG 75-69-4	Trichlorofluoromethane	11000		ug/L	500	19.65	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	220%	35%	
NAL13026-1725MSD	T1-048	ORG 75-35-4	1,1-Dichloroethene	4400		ug/L	100	47.11	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	88%	0%	
NAL13026-1725MSD	T1-048	ORG 75-09-2	Methylene chloride	4200		ug/L	500	26.46	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	84%	2%	
NAL13026-1725MSD	T1-048	ORG 67-64-1	Acetone	79000	B	ug/L	1000	155.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	80%	5%	75000
NAL13026-1725MSD	T1-048	ORG 156-60-5	trans-1,2-Dichloroethene	4600		ug/L	100	55.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	92%	0%	
NAL13026-1725MSD	T1-048	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	100%	0%	
NAL13026-1725MSD	T1-048	ORG 75-34-3	1,1-Dichloroethane	4400		ug/L	100	52.66	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	88%	0%	
NAL13026-1725MSD	T1-048	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	108%	0%	
NAL13026-1725MSD	T1-048	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	94%	0%	
NAL13026-1725MSD	T1-048	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	92%	0%	
NAL13026-1725MSD	T1-048	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	96%	0%	
NAL13026-1725MSD	T1-048	ORG 78-93-3	2-Butanone	17000		ug/L	100	81.18	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	100%	6%	12000
NAL13026-1725MSD	T1-048	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	98%	2%	
NAL13026-1725MSD	T1-048	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	98%	0%	
NAL13026-1725MSD	T1-048	ORG 107-06-2	1,2-Dichloroethane	4400		ug/L	100	20.01	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	88%	0%	
NAL13026-1725MSD	T1-048	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	96%	2%	
NAL13026-1725MSD	T1-048	ORG 74-95-3	Dibromomethane	4900		ug/L	200	32.20	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	98%	4%	
NAL13026-1725MSD	T1-048	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	100%	2%	
NAL13026-1725MSD	T1-048	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	92%	0%	
NAL13026-1725MSD	T1-048	ORG 10061-01-5	cis-1,3-Dichloropropene	5400		ug/L	100	25.01	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	108%	2%	
NAL13026-1725MSD	T1-048	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	92%	0%	
NAL13026-1725MSD	T1-048	ORG 108-10-1	4-Methyl-2-pentanone	5000		ug/L	500	74.00	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	97%	11%	130
NAL13026-1725MSD	T1-048	ORG 10061-02-6	trans-1,3-Dichloropropene	5400		ug/L	100	31.15	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	108%	4%	
NAL13026-1725MSD	T1-048	ORG 127-18-4	Tetrachloroethene	4700		ug/L	100	48.56	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	94%	4%	
NAL13026-1725MSD	T1-048	ORG 79-00-5	1,1,2-Trichloroethane	4400		ug/L	100	34.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	88%	4%	
NAL13026-1725MSD	T1-048	ORG 124-48-1	Dibromochloromethane	4800		ug/L	500	29.90	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	96%	2%	
NAL13026-1725MSD	T1-048	ORG 106-93-4	1,2-Dibromoethane	5000		ug/L	200	26.49	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	100%	4%	
NAL13026-1725MSD	T1-048	ORG 591-78-6	2-Hexanone	3200		ug/L	200	68.90	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	64%	20%	
NAL13026-1725MSD	T1-048	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	110%	2%	
NAL13026-1725MSD	T1-048	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	96%	2%	
NAL13026-1725MSD	T1-048	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	102%	0%	
NAL13026-1725MSD	T1-048	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	10000	120%	9%	
NAL13026-1725MSD	T1-048	ORG 95-47-6	o-Xylene	5200		ug/L	100	12.90	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	104%	2%	
NAL13026-1725MSD	T1-048	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	104%	2%	
NAL13026-1725MSD	T1-048	ORG 75-25-2	Bromoform	5000		ug/L	200	46.83	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	100%	2%	
NAL13026-1725MSD	T1-048	ORG 98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	110%	2%	
NAL13026-1725MSD	T1-048	ORG 103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	116%	2%	
NAL13026-1725MSD	T1-048	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4500		ug/L	200	29.16	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	90%	4%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1725MSD	T1-048	ORG 96-18-4	1,2,3-Trichloropropane	4400		ug/L	200	29.47	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	88%	4%	
NAL13026-1725MSD	T1-048	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	102%	0%	
NAL13026-1725MSD	T1-048	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	106%	2%	
NAL13026-1725MSD	T1-048	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	104%	0%	
NAL13026-1725MSD	T1-048	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	108%	2%	
NAL13026-1725MSD	T1-048	ORG 541-73-1	1,3-Dichlorobenzene	5400		ug/L	200	22.21	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	108%	2%	
NAL13026-1725MSD	T1-048	ORG 99-87-6	p-Isopropyltoluene	5300		ug/L	200	25.48	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	102%	2%	200
NAL13026-1725MSD	T1-048	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	97%	0%	36
NAL13026-1725MSD	T1-048	ORG 95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	108%	0%	
NAL13026-1725MSD	T1-048	ORG 104-51-8	n-Butylbenzene	5300		ug/L	500	27.81	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	106%	0%	
NAL13026-1725MSD	T1-048	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5600		ug/L	500	159.11	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	112%	2%	
NAL13026-1725MSD	T1-048	ORG 87-68-3	Hexachlorobutadiene	4800		ug/L	500	65.42	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	96%	2%	
NAL13026-1725MSD	T1-048	ORG 120-82-1	1,2,4-Trichlorobenzene	4800		ug/L	500	27.63	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	96%	2%	
NAL13026-1725MSD	T1-048	ORG 91-20-3	Naphthalene	5400		ug/L	500	56.04	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	105%	0%	170
NAL13026-1725MSD	T1-048	ORG 87-61-6	1,2,3-Trichlorobenzene	5000		ug/L	500	23.28	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	5000	100%	2%	
NAL13026-1725MSD	T1-048	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	50	98%	0%	
NAL13026-1725MSD	T1-048	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	50	90%	0%	
NAL13026-1725MSD	T1-048	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	50	96%	2%	
NAL13026-1725MSD	T1-048	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/26/2014	10/26/2014	10/26/2014	WG	100	NA	5.0	NA	SW8260B	NALD5102	50	104%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1726	T1-049	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 75-00-3	Chloroethane		UX-	ug/L	500	55.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 67-64-1	Acetone	56000	D	ug/L	10000	1556.07	10/27/2014	10/27/2014	10/27/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5108				
NAL13026-1726	T1-049	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 78-93-3	2-Butanone	6000	D	ug/L	10000	811.80	10/27/2014	10/27/2014	10/27/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5108				
NAL13026-1726	T1-049	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 108-10-1	4-Methyl-2-pentanone	130	J	ug/L	500	74.00	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1726	T1-049	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 99-87-6	p-Isopropyltoluene	200	J	ug/L	200	25.48	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 106-46-7	1,4-Dichlorobenzene	33	J	ug/L	200	33.03	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 104-51-8	n-Butylbenzene	31	J	ug/L	500	27.81	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 91-20-3	Naphthalene	100	J	ug/L	500	56.04	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107				
NAL13026-1726	T1-049	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107	50	94%		
NAL13026-1726	T1-049	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107	50	96%		
NAL13026-1726	T1-049	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107	50	104%		
NAL13026-1726	T1-049	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5107	50	108%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102714CCVA	D102714CCVA	ORG 75-71-8	Dichlorodifluoromethane	49		ug/L	5	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	98%		
D102714CCVA	D102714CCVA	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	88%		
D102714CCVA	D102714CCVA	ORG 75-01-4	Vinyl chloride	51		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	102%		
D102714CCVA	D102714CCVA	ORG 74-83-9	Bromomethane	51		ug/L	5	0.50	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	102%		
D102714CCVA	D102714CCVA	ORG 75-00-3	Chloroethane	38		ug/L	5	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	76%		
D102714CCVA	D102714CCVA	ORG 75-69-4	Trichlorofluoromethane	67		ug/L	5	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	134%		
D102714CCVA	D102714CCVA	ORG 75-35-4	1,1-Dichloroethene	40		ug/L	1	0.47	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	80%		
D102714CCVA	D102714CCVA	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	88%		
D102714CCVA	D102714CCVA	ORG 67-64-1	Acetone	56		ug/L	10	1.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	112%		
D102714CCVA	D102714CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	92%		
D102714CCVA	D102714CCVA	ORG 1634-04-4	MTBE	54		ug/L	5	0.61	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	108%		
D102714CCVA	D102714CCVA	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	88%		
D102714CCVA	D102714CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	106%		
D102714CCVA	D102714CCVA	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	100%		
D102714CCVA	D102714CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	90%		
D102714CCVA	D102714CCVA	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	96%		
D102714CCVA	D102714CCVA	ORG 78-93-3	2-Butanone	52		ug/L	1	0.81	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	104%		
D102714CCVA	D102714CCVA	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	98%		
D102714CCVA	D102714CCVA	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	96%		
D102714CCVA	D102714CCVA	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	88%		
D102714CCVA	D102714CCVA	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	96%		
D102714CCVA	D102714CCVA	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	96%		
D102714CCVA	D102714CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	98%		
D102714CCVA	D102714CCVA	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	90%		
D102714CCVA	D102714CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	108%		
D102714CCVA	D102714CCVA	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	90%		
D102714CCVA	D102714CCVA	ORG 108-10-1	4-Methyl-2-pentanone	59		ug/L	5	0.74	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	118%		
D102714CCVA	D102714CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	112%		
D102714CCVA	D102714CCVA	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	96%		
D102714CCVA	D102714CCVA	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	90%		
D102714CCVA	D102714CCVA	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	102%		
D102714CCVA	D102714CCVA	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	104%		
D102714CCVA	D102714CCVA	ORG 591-78-6	2-Hexanone	50		ug/L	2	0.69	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	100%		
D102714CCVA	D102714CCVA	ORG 100-41-4	Ethylbenzene	52		ug/L	1	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	104%		
D102714CCVA	D102714CCVA	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	92%		
D102714CCVA	D102714CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	49		ug/L	2	0.19	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	98%		
D102714CCVA	D102714CCVA	ORG XYLMP	p&m-Xylene	109		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	100	109%		
D102714CCVA	D102714CCVA	ORG 95-47-6	o-Xylene	50		ug/L	1	0.13	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	100%		
D102714CCVA	D102714CCVA	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	98%		
D102714CCVA	D102714CCVA	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	102%		
D102714CCVA	D102714CCVA	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	104%		
D102714CCVA	D102714CCVA	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	110%		
D102714CCVA	D102714CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	94%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102714CCVA	D102714CCVA	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	94%		
D102714CCVA	D102714CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	100%		
D102714CCVA	D102714CCVA	ORG 98-06-6	tert-Butylbenzene	50		ug/L	2	0.33	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	100%		
D102714CCVA	D102714CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	100%		
D102714CCVA	D102714CCVA	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	102%		
D102714CCVA	D102714CCVA	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	104%		
D102714CCVA	D102714CCVA	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	100%		
D102714CCVA	D102714CCVA	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	96%		
D102714CCVA	D102714CCVA	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	104%		
D102714CCVA	D102714CCVA	ORG 104-51-8	n-Butylbenzene	50		ug/L	5	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	100%		
D102714CCVA	D102714CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	106%		
D102714CCVA	D102714CCVA	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	92%		
D102714CCVA	D102714CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	90%		
D102714CCVA	D102714CCVA	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	94%		
D102714CCVA	D102714CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	47		ug/L	5	0.23	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	94%		
D102714CCVA	D102714CCVA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	96%		
D102714CCVA	D102714CCVA	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	90%		
D102714CCVA	D102714CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	94%		
D102714CCVA	D102714CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5104	50	102%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102714MBKA	D102714MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102714MBKA	D102714MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106				
D102714MBKA	D102714MBKA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106	50	96%		
D102714MBKA	D102714MBKA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106	50	98%		
D102714MBKA	D102714MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106	50	102%		
D102714MBKA	D102714MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5106	50	110%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102714ALCS	D102714ALCS	ORG 75-71-8	Dichlorodifluoromethane	48		ug/L	5	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	96%		
D102714ALCS	D102714ALCS	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	88%		
D102714ALCS	D102714ALCS	ORG 75-01-4	Vinyl chloride	49		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	98%		
D102714ALCS	D102714ALCS	ORG 74-83-9	Bromomethane	46		ug/L	5	0.50	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	92%		
D102714ALCS	D102714ALCS	ORG 75-00-3	Chloroethane	38		ug/L	5	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	76%		
D102714ALCS	D102714ALCS	ORG 75-69-4	Trichlorofluoromethane	69		ug/L	5	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	138%		
D102714ALCS	D102714ALCS	ORG 75-35-4	1,1-Dichloroethene	35		ug/L	1	0.47	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	70%		
D102714ALCS	D102714ALCS	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	88%		
D102714ALCS	D102714ALCS	ORG 67-64-1	Acetone	63		ug/L	10	1.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	126%		
D102714ALCS	D102714ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	92%		
D102714ALCS	D102714ALCS	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	106%		
D102714ALCS	D102714ALCS	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	88%		
D102714ALCS	D102714ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	106%		
D102714ALCS	D102714ALCS	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	100%		
D102714ALCS	D102714ALCS	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	90%		
D102714ALCS	D102714ALCS	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	96%		
D102714ALCS	D102714ALCS	ORG 78-93-3	2-Butanone	48		ug/L	1	0.81	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	96%		
D102714ALCS	D102714ALCS	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	98%		
D102714ALCS	D102714ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	98%		
D102714ALCS	D102714ALCS	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	90%		
D102714ALCS	D102714ALCS	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	96%		
D102714ALCS	D102714ALCS	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	96%		
D102714ALCS	D102714ALCS	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	98%		
D102714ALCS	D102714ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	92%		
D102714ALCS	D102714ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	108%		
D102714ALCS	D102714ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	90%		
D102714ALCS	D102714ALCS	ORG 108-10-1	4-Methyl-2-pentanone	57		ug/L	5	0.74	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	114%		
D102714ALCS	D102714ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	110%		
D102714ALCS	D102714ALCS	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	94%		
D102714ALCS	D102714ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	92%		
D102714ALCS	D102714ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	102%		
D102714ALCS	D102714ALCS	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	104%		
D102714ALCS	D102714ALCS	ORG 591-78-6	2-Hexanone	51		ug/L	2	0.69	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	102%		
D102714ALCS	D102714ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	108%		
D102714ALCS	D102714ALCS	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	94%		
D102714ALCS	D102714ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	102%		
D102714ALCS	D102714ALCS	ORG XYLMP	p&m-Xylene	112		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	100	112%		
D102714ALCS	D102714ALCS	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	102%		
D102714ALCS	D102714ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	100%		
D102714ALCS	D102714ALCS	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	104%		
D102714ALCS	D102714ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	106%		
D102714ALCS	D102714ALCS	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	112%		
D102714ALCS	D102714ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	94%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102714ALCS	D102714ALCS	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	92%		
D102714ALCS	D102714ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	100%		
D102714ALCS	D102714ALCS	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	104%		
D102714ALCS	D102714ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	100%		
D102714ALCS	D102714ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	104%		
D102714ALCS	D102714ALCS	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	106%		
D102714ALCS	D102714ALCS	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	102%		
D102714ALCS	D102714ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	98%		
D102714ALCS	D102714ALCS	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	104%		
D102714ALCS	D102714ALCS	ORG 104-51-8	n-Butylbenzene	50		ug/L	5	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	100%		
D102714ALCS	D102714ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	54		ug/L	5	1.59	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	108%		
D102714ALCS	D102714ALCS	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	92%		
D102714ALCS	D102714ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	92%		
D102714ALCS	D102714ALCS	ORG 91-20-3	Naphthalene	49		ug/L	5	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	98%		
D102714ALCS	D102714ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	48		ug/L	5	0.23	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	96%		
D102714ALCS	D102714ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	98%		
D102714ALCS	D102714ALCS	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	90%		
D102714ALCS	D102714ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	94%		
D102714ALCS	D102714ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5105	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102714ALCD	D102714ALCD	ORG 75-71-8	Dichlorodifluoromethane	47		ug/L	5	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	94%	2%	
D102714ALCD	D102714ALCD	ORG 74-87-3	Chloromethane	43		ug/L	5	0.43	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	86%	2%	
D102714ALCD	D102714ALCD	ORG 75-01-4	Vinyl chloride	48		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	96%	2%	
D102714ALCD	D102714ALCD	ORG 74-83-9	Bromomethane	41		ug/L	5	0.50	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	82%	11%	
D102714ALCD	D102714ALCD	ORG 75-00-3	Chloroethane	42		ug/L	5	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	84%	10%	
D102714ALCD	D102714ALCD	ORG 75-69-4	Trichlorofluoromethane	71		ug/L	5	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	142%	3%	
D102714ALCD	D102714ALCD	ORG 75-35-4	1,1-Dichloroethene	40		ug/L	1	0.47	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	80%	13%	
D102714ALCD	D102714ALCD	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	88%	0%	
D102714ALCD	D102714ALCD	ORG 67-64-1	Acetone	56		ug/L	10	1.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	112%	12%	
D102714ALCD	D102714ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	90%	2%	
D102714ALCD	D102714ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	98%	8%	
D102714ALCD	D102714ALCD	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	90%	2%	
D102714ALCD	D102714ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	104%	2%	
D102714ALCD	D102714ALCD	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	96%	4%	
D102714ALCD	D102714ALCD	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	90%	0%	
D102714ALCD	D102714ALCD	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	96%	0%	
D102714ALCD	D102714ALCD	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	100%	4%	
D102714ALCD	D102714ALCD	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	98%	0%	
D102714ALCD	D102714ALCD	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	98%	0%	
D102714ALCD	D102714ALCD	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	90%	0%	
D102714ALCD	D102714ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	96%	0%	
D102714ALCD	D102714ALCD	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	98%	2%	
D102714ALCD	D102714ALCD	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	100%	2%	
D102714ALCD	D102714ALCD	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	90%	2%	
D102714ALCD	D102714ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	106%	2%	
D102714ALCD	D102714ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	92%	2%	
D102714ALCD	D102714ALCD	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	106%	7%	
D102714ALCD	D102714ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	110%	0%	
D102714ALCD	D102714ALCD	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	92%	2%	
D102714ALCD	D102714ALCD	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	90%	2%	
D102714ALCD	D102714ALCD	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	98%	4%	
D102714ALCD	D102714ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	100%	4%	
D102714ALCD	D102714ALCD	ORG 591-78-6	2-Hexanone	44		ug/L	2	0.69	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	88%	15%	
D102714ALCD	D102714ALCD	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	108%	0%	
D102714ALCD	D102714ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	94%	0%	
D102714ALCD	D102714ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	49		ug/L	2	0.19	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	98%	4%	
D102714ALCD	D102714ALCD	ORG XYLMP	p&m-Xylene	114		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	100	114%	2%	
D102714ALCD	D102714ALCD	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	102%	0%	
D102714ALCD	D102714ALCD	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	100%	0%	
D102714ALCD	D102714ALCD	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	96%	8%	
D102714ALCD	D102714ALCD	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	106%	0%	
D102714ALCD	D102714ALCD	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	114%	2%	
D102714ALCD	D102714ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	94%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102714ALCD	D102714ALCD	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	92%	0%	
D102714ALCD	D102714ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	102%	2%	
D102714ALCD	D102714ALCD	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	104%	0%	
D102714ALCD	D102714ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	104%	4%	
D102714ALCD	D102714ALCD	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	106%	2%	
D102714ALCD	D102714ALCD	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	106%	0%	
D102714ALCD	D102714ALCD	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	104%	2%	
D102714ALCD	D102714ALCD	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	98%	0%	
D102714ALCD	D102714ALCD	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	104%	0%	
D102714ALCD	D102714ALCD	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	106%	6%	
D102714ALCD	D102714ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	50		ug/L	5	1.59	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	100%	8%	
D102714ALCD	D102714ALCD	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	92%	0%	
D102714ALCD	D102714ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	88%	4%	
D102714ALCD	D102714ALCD	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	94%	4%	
D102714ALCD	D102714ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	48		ug/L	5	0.23	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	96%	0%	
D102714ALCD	D102714ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	98%	0%	
D102714ALCD	D102714ALCD	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	92%	2%	
D102714ALCD	D102714ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	96%	2%	
D102714ALCD	D102714ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/27/2014	10/27/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5109	50	102%	0%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1726MS	T1-049	ORG 75-71-8	Dichlorodifluoromethane	4500		ug/L	500	29.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	90%		
NAL13026-1726MS	T1-049	ORG 74-87-3	Chloromethane	4300		ug/L	500	43.07	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	86%		
NAL13026-1726MS	T1-049	ORG 75-01-4	Vinyl chloride	4800		ug/L	200	31.86	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	96%		
NAL13026-1726MS	T1-049	ORG 74-83-9	Bromomethane	4400		ug/L	500	50.04	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	88%		
NAL13026-1726MS	T1-049	ORG 75-00-3	Chloroethane	3700		ug/L	500	55.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	74%		
NAL13026-1726MS	T1-049	ORG 75-69-4	Trichlorofluoromethane	8900		ug/L	500	19.65	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	178%		
NAL13026-1726MS	T1-049	ORG 75-35-4	1,1-Dichloroethene	4100		ug/L	100	47.11	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	82%		
NAL13026-1726MS	T1-049	ORG 75-09-2	Methylene chloride	4200		ug/L	500	26.46	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	84%		
NAL13026-1726MS	T1-049	ORG 67-64-1	Acetone	59000		ug/L	1000	155.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	60%		56000
NAL13026-1726MS	T1-049	ORG 156-60-5	trans-1,2-Dichloroethene	4400		ug/L	100	55.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	88%		
NAL13026-1726MS	T1-049	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	98%		
NAL13026-1726MS	T1-049	ORG 75-34-3	1,1-Dichloroethane	4400		ug/L	100	52.66	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	88%		
NAL13026-1726MS	T1-049	ORG 156-59-2	cis-1,2-Dichloroethene	5300		ug/L	100	32.11	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	106%		
NAL13026-1726MS	T1-049	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	94%		
NAL13026-1726MS	T1-049	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	90%		
NAL13026-1726MS	T1-049	ORG 71-55-6	1,1,1-Trichloroethane	4700		ug/L	100	16.65	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	94%		
NAL13026-1726MS	T1-049	ORG 78-93-3	2-Butanone	14000		ug/L	100	81.18	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	160%		6000
NAL13026-1726MS	T1-049	ORG 56-23-5	Carbon tetrachloride	4800		ug/L	100	27.64	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	96%		
NAL13026-1726MS	T1-049	ORG 71-43-2	Benzene	4800		ug/L	100	13.53	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	96%		
NAL13026-1726MS	T1-049	ORG 107-06-2	1,2-Dichloroethane	4500		ug/L	100	20.01	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	90%		
NAL13026-1726MS	T1-049	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	96%		
NAL13026-1726MS	T1-049	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	100%		
NAL13026-1726MS	T1-049	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	100%		
NAL13026-1726MS	T1-049	ORG 75-27-4	Bromodichloromethane	4500		ug/L	200	11.58	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	90%		
NAL13026-1726MS	T1-049	ORG 10061-01-5	cis-1,3-Dichloropropene	5300		ug/L	100	25.01	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	106%		
NAL13026-1726MS	T1-049	ORG 108-88-3	Toluene	4500		ug/L	100	20.96	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	90%		
NAL13026-1726MS	T1-049	ORG 108-10-1	4-Methyl-2-pentanone	5400		ug/L	500	74.00	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	105%		130
NAL13026-1726MS	T1-049	ORG 10061-02-6	trans-1,3-Dichloropropene	5500		ug/L	100	31.15	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	110%		
NAL13026-1726MS	T1-049	ORG 127-18-4	Tetrachloroethene	4500		ug/L	100	48.56	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	90%		
NAL13026-1726MS	T1-049	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	92%		
NAL13026-1726MS	T1-049	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	98%		
NAL13026-1726MS	T1-049	ORG 106-93-4	1,2-Dibromoethane	5100		ug/L	200	26.49	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	102%		
NAL13026-1726MS	T1-049	ORG 591-78-6	2-Hexanone	4000		ug/L	200	68.90	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	80%		
NAL13026-1726MS	T1-049	ORG 100-41-4	Ethylbenzene	5300		ug/L	100	25.38	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	106%		
NAL13026-1726MS	T1-049	ORG 108-90-7	Chlorobenzene	4600		ug/L	100	27.52	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	92%		
NAL13026-1726MS	T1-049	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	98%		
NAL13026-1726MS	T1-049	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	10000	110%		
NAL13026-1726MS	T1-049	ORG 95-47-6	o-Xylene	5100		ug/L	100	12.90	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	102%		
NAL13026-1726MS	T1-049	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	102%		
NAL13026-1726MS	T1-049	ORG 75-25-2	Bromoform	4900		ug/L	200	46.83	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	98%		
NAL13026-1726MS	T1-049	ORG 98-82-8	Isopropylbenzene	5200		ug/L	200	20.48	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	104%		
NAL13026-1726MS	T1-049	ORG 103-65-1	n-Propylbenzene	5600		ug/L	200	27.00	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	112%		
NAL13026-1726MS	T1-049	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	94%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1726MS	T1-049	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	92%		
NAL13026-1726MS	T1-049	ORG 108-67-8	1,3,5-Trimethylbenzene	5000		ug/L	200	20.03	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	100%		
NAL13026-1726MS	T1-049	ORG 98-06-6	tert-Butylbenzene	5100		ug/L	200	32.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	102%		
NAL13026-1726MS	T1-049	ORG 95-63-6	1,2,4-Trimethylbenzene	5100		ug/L	200	20.03	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	102%		
NAL13026-1726MS	T1-049	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	104%		
NAL13026-1726MS	T1-049	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	106%		
NAL13026-1726MS	T1-049	ORG 99-87-6	p-Isopropyltoluene	5100		ug/L	200	25.48	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	98%		200
NAL13026-1726MS	T1-049	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	97%		33
NAL13026-1726MS	T1-049	ORG 95-50-1	1,2-Dichlorobenzene	5300		ug/L	200	26.38	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	106%		
NAL13026-1726MS	T1-049	ORG 104-51-8	n-Butylbenzene	5100		ug/L	500	27.81	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	101%		31
NAL13026-1726MS	T1-049	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5900		ug/L	500	159.11	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	118%		
NAL13026-1726MS	T1-049	ORG 87-68-3	Hexachlorobutadiene	4500		ug/L	500	65.42	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	90%		
NAL13026-1726MS	T1-049	ORG 120-82-1	1,2,4-Trichlorobenzene	4600		ug/L	500	27.63	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	92%		
NAL13026-1726MS	T1-049	ORG 91-20-3	Naphthalene	5300		ug/L	500	56.04	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	104%		100
NAL13026-1726MS	T1-049	ORG 87-61-6	1,2,3-Trichlorobenzene	4900		ug/L	500	23.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	5000	98%		
NAL13026-1726MS	T1-049	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	50	100%		
NAL13026-1726MS	T1-049	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	50	92%		
NAL13026-1726MS	T1-049	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	50	94%		
NAL13026-1726MS	T1-049	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5110	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1726MSD	T1-049	ORG 75-71-8	Dichlorodifluoromethane	4500		ug/L	500	29.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	90%	0%	
NAL13026-1726MSD	T1-049	ORG 74-87-3	Chloromethane	4300		ug/L	500	43.07	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	86%	0%	
NAL13026-1726MSD	T1-049	ORG 75-01-4	Vinyl chloride	4800		ug/L	200	31.86	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	96%	0%	
NAL13026-1726MSD	T1-049	ORG 74-83-9	Bromomethane	4100		ug/L	500	50.04	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	82%	7%	
NAL13026-1726MSD	T1-049	ORG 75-00-3	Chloroethane	4300		ug/L	500	55.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	86%	15%	
NAL13026-1726MSD	T1-049	ORG 75-69-4	Trichlorofluoromethane	12000		ug/L	500	19.65	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	240%	30%	
NAL13026-1726MSD	T1-049	ORG 75-35-4	1,1-Dichloroethene	4100		ug/L	100	47.11	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	82%	0%	
NAL13026-1726MSD	T1-049	ORG 75-09-2	Methylene chloride	4200		ug/L	500	26.46	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	84%	0%	
NAL13026-1726MSD	T1-049	ORG 67-64-1	Acetone	56000		ug/L	1000	155.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	0%	5%	56000
NAL13026-1726MSD	T1-049	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	90%	2%	
NAL13026-1726MSD	T1-049	ORG 1634-04-4	MTBE	4900		ug/L	500	61.18	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	98%	0%	
NAL13026-1726MSD	T1-049	ORG 75-34-3	1,1-Dichloroethane	4300		ug/L	100	52.66	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	86%	2%	
NAL13026-1726MSD	T1-049	ORG 156-59-2	cis-1,2-Dichloroethene	5200		ug/L	100	32.11	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	104%	2%	
NAL13026-1726MSD	T1-049	ORG 74-97-5	Bromochloromethane	4500		ug/L	1000	41.37	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	90%	4%	
NAL13026-1726MSD	T1-049	ORG 67-66-3	Chloroform	4400		ug/L	200	15.73	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	88%	2%	
NAL13026-1726MSD	T1-049	ORG 71-55-6	1,1,1-Trichloroethane	4700		ug/L	100	16.65	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	94%	0%	
NAL13026-1726MSD	T1-049	ORG 78-93-3	2-Butanone	13000		ug/L	100	81.18	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	140%	7%	6000
NAL13026-1726MSD	T1-049	ORG 56-23-5	Carbon tetrachloride	4700		ug/L	100	27.64	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	94%	2%	
NAL13026-1726MSD	T1-049	ORG 71-43-2	Benzene	4700		ug/L	100	13.53	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	94%	2%	
NAL13026-1726MSD	T1-049	ORG 107-06-2	1,2-Dichloroethane	4400		ug/L	100	20.01	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	88%	2%	
NAL13026-1726MSD	T1-049	ORG 79-01-6	Trichloroethene	4700		ug/L	100	36.33	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	94%	2%	
NAL13026-1726MSD	T1-049	ORG 74-95-3	Dibromomethane	4800		ug/L	200	32.20	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	96%	4%	
NAL13026-1726MSD	T1-049	ORG 78-87-5	1,2-Dichloropropane	5000		ug/L	100	18.17	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	100%	0%	
NAL13026-1726MSD	T1-049	ORG 75-27-4	Bromodichloromethane	4500		ug/L	200	11.58	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	90%	0%	
NAL13026-1726MSD	T1-049	ORG 10061-01-5	cis-1,3-Dichloropropene	5300		ug/L	100	25.01	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	106%	0%	
NAL13026-1726MSD	T1-049	ORG 108-88-3	Toluene	4500		ug/L	100	20.96	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	99%	0%	
NAL13026-1726MSD	T1-049	ORG 108-10-1	4-Methyl-2-pentanone	5100		ug/L	500	74.00	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	99%	6%	130
NAL13026-1726MSD	T1-049	ORG 10061-02-6	trans-1,3-Dichloropropene	5400		ug/L	100	31.15	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	108%	2%	
NAL13026-1726MSD	T1-049	ORG 127-18-4	Tetrachloroethene	4800		ug/L	100	48.56	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	96%	6%	
NAL13026-1726MSD	T1-049	ORG 79-00-5	1,1,2-Trichloroethane	4400		ug/L	100	34.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	88%	4%	
NAL13026-1726MSD	T1-049	ORG 124-48-1	Dibromochloromethane	4700		ug/L	500	29.90	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	94%	4%	
NAL13026-1726MSD	T1-049	ORG 106-93-4	1,2-Dibromoethane	5000		ug/L	200	26.49	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	100%	2%	
NAL13026-1726MSD	T1-049	ORG 591-78-6	2-Hexanone	3400		ug/L	200	68.90	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	68%	16%	
NAL13026-1726MSD	T1-049	ORG 100-41-4	Ethylbenzene	5300		ug/L	100	25.38	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	106%	0%	
NAL13026-1726MSD	T1-049	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	94%	2%	
NAL13026-1726MSD	T1-049	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	98%	0%	
NAL13026-1726MSD	T1-049	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	10000	110%	0%	
NAL13026-1726MSD	T1-049	ORG 95-47-6	o-Xylene	5100		ug/L	100	12.90	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	102%	0%	
NAL13026-1726MSD	T1-049	ORG 100-42-5	Styrene	5000		ug/L	100	20.23	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	100%	2%	
NAL13026-1726MSD	T1-049	ORG 75-25-2	Bromoform	4800		ug/L	200	46.83	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	96%	2%	
NAL13026-1726MSD	T1-049	ORG 98-82-8	Isopropylbenzene	5300		ug/L	200	20.48	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	106%	2%	
NAL13026-1726MSD	T1-049	ORG 103-65-1	n-Propylbenzene	5600		ug/L	200	27.00	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	112%	0%	
NAL13026-1726MSD	T1-049	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4400		ug/L	200	29.16	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	88%	7%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1726MSD	T1-049	ORG 96-18-4	1,2,3-Trichloropropane	4400		ug/L	200	29.47	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	88%	4%	
NAL13026-1726MSD	T1-049	ORG 108-67-8	1,3,5-Trimethylbenzene	5000		ug/L	200	20.03	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	100%	0%	
NAL13026-1726MSD	T1-049	ORG 98-06-6	tert-Butylbenzene	5100		ug/L	200	32.61	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	102%	0%	
NAL13026-1726MSD	T1-049	ORG 95-63-6	1,2,4-Trimethylbenzene	5000		ug/L	200	20.03	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	100%	2%	
NAL13026-1726MSD	T1-049	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	104%	0%	
NAL13026-1726MSD	T1-049	ORG 541-73-1	1,3-Dichlorobenzene	5200		ug/L	200	22.21	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	104%	2%	
NAL13026-1726MSD	T1-049	ORG 99-87-6	p-Isopropyltoluene	5100		ug/L	200	25.48	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	98%	0%	200
NAL13026-1726MSD	T1-049	ORG 106-46-7	1,4-Dichlorobenzene	4800		ug/L	200	33.03	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	95%	2%	33
NAL13026-1726MSD	T1-049	ORG 95-50-1	1,2-Dichlorobenzene	5200		ug/L	200	26.38	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	104%	2%	
NAL13026-1726MSD	T1-049	ORG 104-51-8	n-Butylbenzene	5100		ug/L	500	27.81	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	101%	0%	31
NAL13026-1726MSD	T1-049	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5400		ug/L	500	159.11	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	108%	9%	
NAL13026-1726MSD	T1-049	ORG 87-68-3	Hexachlorobutadiene	4500		ug/L	500	65.42	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	90%	0%	
NAL13026-1726MSD	T1-049	ORG 120-82-1	1,2,4-Trichlorobenzene	4500		ug/L	500	27.63	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	90%	2%	
NAL13026-1726MSD	T1-049	ORG 91-20-3	Naphthalene	5100		ug/L	500	56.04	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	100%	4%	100
NAL13026-1726MSD	T1-049	ORG 87-61-6	1,2,3-Trichlorobenzene	4800		ug/L	500	23.28	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	5000	96%	2%	
NAL13026-1726MSD	T1-049	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	50	98%	2%	
NAL13026-1726MSD	T1-049	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	50	90%	2%	
NAL13026-1726MSD	T1-049	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	50	94%	0%	
NAL13026-1726MSD	T1-049	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/27/2014	10/27/2014	10/27/2014	WG	100	NA	5.0	NA	SW8260B	NALD5111	50	104%	0%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1727	T1-050	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 75-35-4	1,1-Dichloroethene		UX-	ug/L	100	47.11	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 67-64-1	Acetone	41000	D	ug/L	10000	1556.07	10/28/2014	10/28/2014	10/28/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5118				
NAL13026-1727	T1-050	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 78-93-3	2-Butanone	4600	D	ug/L	10000	811.80	10/28/2014	10/28/2014	10/28/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5118				
NAL13026-1727	T1-050	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 108-10-1	4-Methyl-2-pentanone	160	J	ug/L	500	74.00	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1727	T1-050	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 95-63-6	1,2,4-Trimethylbenzene	41	J	ug/L	200	20.03	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 99-87-6	p-Isopropyltoluene	230		ug/L	200	25.48	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 106-46-7	1,4-Dichlorobenzene	66	J	ug/L	200	33.03	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 104-51-8	n-Butylbenzene	33	J	ug/L	500	27.81	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 91-20-3	Naphthalene	140	J	ug/L	500	56.04	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116				
NAL13026-1727	T1-050	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116	50	94%		
NAL13026-1727	T1-050	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116	50	96%		
NAL13026-1727	T1-050	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116	50	104%		
NAL13026-1727	T1-050	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5116	50	106%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102814CCVA	D102814CCVA	ORG 75-71-8	Dichlorodifluoromethane	49		ug/L	5	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	98%		
D102814CCVA	D102814CCVA	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	88%		
D102814CCVA	D102814CCVA	ORG 75-01-4	Vinyl chloride	52		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	104%		
D102814CCVA	D102814CCVA	ORG 74-83-9	Bromomethane	44		ug/L	5	0.50	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	88%		
D102814CCVA	D102814CCVA	ORG 75-00-3	Chloroethane	41		ug/L	5	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	82%		
D102814CCVA	D102814CCVA	ORG 75-69-4	Trichlorofluoromethane	84		ug/L	5	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	168%		
D102814CCVA	D102814CCVA	ORG 75-35-4	1,1-Dichloroethene	39		ug/L	1	0.47	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	78%		
D102814CCVA	D102814CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	90%		
D102814CCVA	D102814CCVA	ORG 67-64-1	Acetone	58		ug/L	10	1.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	116%		
D102814CCVA	D102814CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	94%		
D102814CCVA	D102814CCVA	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	104%		
D102814CCVA	D102814CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	90%		
D102814CCVA	D102814CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	108%		
D102814CCVA	D102814CCVA	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	100%		
D102814CCVA	D102814CCVA	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	92%		
D102814CCVA	D102814CCVA	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	98%		
D102814CCVA	D102814CCVA	ORG 78-93-3	2-Butanone	46		ug/L	1	0.81	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	92%		
D102814CCVA	D102814CCVA	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	100%		
D102814CCVA	D102814CCVA	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	100%		
D102814CCVA	D102814CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	90%		
D102814CCVA	D102814CCVA	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	100%		
D102814CCVA	D102814CCVA	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	96%		
D102814CCVA	D102814CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	98%		
D102814CCVA	D102814CCVA	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	92%		
D102814CCVA	D102814CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	110%		
D102814CCVA	D102814CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	92%		
D102814CCVA	D102814CCVA	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	106%		
D102814CCVA	D102814CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	110%		
D102814CCVA	D102814CCVA	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	92%		
D102814CCVA	D102814CCVA	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	90%		
D102814CCVA	D102814CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	100%		
D102814CCVA	D102814CCVA	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	102%		
D102814CCVA	D102814CCVA	ORG 591-78-6	2-Hexanone	44		ug/L	2	0.69	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	88%		
D102814CCVA	D102814CCVA	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	110%		
D102814CCVA	D102814CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	96%		
D102814CCVA	D102814CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	102%		
D102814CCVA	D102814CCVA	ORG XYLMP	p&m-Xylene	115		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	100	115%		
D102814CCVA	D102814CCVA	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	104%		
D102814CCVA	D102814CCVA	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	102%		
D102814CCVA	D102814CCVA	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	98%		
D102814CCVA	D102814CCVA	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	108%		
D102814CCVA	D102814CCVA	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	116%		
D102814CCVA	D102814CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	92%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102814CCVA	D102814CCVA	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	90%		
D102814CCVA	D102814CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	104%		
D102814CCVA	D102814CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	106%		
D102814CCVA	D102814CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	104%		
D102814CCVA	D102814CCVA	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	108%		
D102814CCVA	D102814CCVA	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	108%		
D102814CCVA	D102814CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	104%		
D102814CCVA	D102814CCVA	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	98%		
D102814CCVA	D102814CCVA	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	106%		
D102814CCVA	D102814CCVA	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	106%		
D102814CCVA	D102814CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	49		ug/L	5	1.59	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	98%		
D102814CCVA	D102814CCVA	ORG 87-68-3	Hexachlorobutadiene	50		ug/L	5	0.65	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	100%		
D102814CCVA	D102814CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	92%		
D102814CCVA	D102814CCVA	ORG 91-20-3	Naphthalene	45		ug/L	5	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	90%		
D102814CCVA	D102814CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	47		ug/L	5	0.23	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	94%		
D102814CCVA	D102814CCVA	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	100%		
D102814CCVA	D102814CCVA	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	90%		
D102814CCVA	D102814CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	94%		
D102814CCVA	D102814CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5113	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102814MBKA	D102814MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102814MBKA	D102814MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115				
D102814MBKA	D102814MBKA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115	50	96%		
D102814MBKA	D102814MBKA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115	50	98%		
D102814MBKA	D102814MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115	50	102%		
D102814MBKA	D102814MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALS5115	50	110%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102814ALCS	D102814ALCS	ORG 75-71-8	Dichlorodifluoromethane	51		ug/L	5	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	102%		
D102814ALCS	D102814ALCS	ORG 74-87-3	Chloromethane	46		ug/L	5	0.43	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	92%		
D102814ALCS	D102814ALCS	ORG 75-01-4	Vinyl chloride	53		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	106%		
D102814ALCS	D102814ALCS	ORG 74-83-9	Bromomethane	48		ug/L	5	0.50	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	96%		
D102814ALCS	D102814ALCS	ORG 75-00-3	Chloroethane	41		ug/L	5	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	82%		
D102814ALCS	D102814ALCS	ORG 75-69-4	Trichlorofluoromethane	76		ug/L	5	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	152%		
D102814ALCS	D102814ALCS	ORG 75-35-4	1,1-Dichloroethene	42		ug/L	1	0.47	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	84%		
D102814ALCS	D102814ALCS	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	90%		
D102814ALCS	D102814ALCS	ORG 67-64-1	Acetone	71		ug/L	10	1.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	142%		
D102814ALCS	D102814ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	94%		
D102814ALCS	D102814ALCS	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	106%		
D102814ALCS	D102814ALCS	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	90%		
D102814ALCS	D102814ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	108%		
D102814ALCS	D102814ALCS	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	100%		
D102814ALCS	D102814ALCS	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	92%		
D102814ALCS	D102814ALCS	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	96%		
D102814ALCS	D102814ALCS	ORG 78-93-3	2-Butanone	44		ug/L	1	0.81	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	88%		
D102814ALCS	D102814ALCS	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	100%		
D102814ALCS	D102814ALCS	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	100%		
D102814ALCS	D102814ALCS	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	92%		
D102814ALCS	D102814ALCS	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	100%		
D102814ALCS	D102814ALCS	ORG 74-95-3	Dibromomethane	51		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	102%		
D102814ALCS	D102814ALCS	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	98%		
D102814ALCS	D102814ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	92%		
D102814ALCS	D102814ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	110%		
D102814ALCS	D102814ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	92%		
D102814ALCS	D102814ALCS	ORG 108-10-1	4-Methyl-2-pentanone	55		ug/L	5	0.74	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	110%		
D102814ALCS	D102814ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	110%		
D102814ALCS	D102814ALCS	ORG 127-18-4	Tetrachloroethene	50		ug/L	1	0.49	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	100%		
D102814ALCS	D102814ALCS	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	94%		
D102814ALCS	D102814ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	102%		
D102814ALCS	D102814ALCS	ORG 106-93-4	1,2-Dibromoethane	53		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	106%		
D102814ALCS	D102814ALCS	ORG 591-78-6	2-Hexanone	45		ug/L	2	0.69	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	90%		
D102814ALCS	D102814ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	108%		
D102814ALCS	D102814ALCS	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	94%		
D102814ALCS	D102814ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	102%		
D102814ALCS	D102814ALCS	ORG XYLMP	p&m-Xylene	113		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	100	113%		
D102814ALCS	D102814ALCS	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	102%		
D102814ALCS	D102814ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	100%		
D102814ALCS	D102814ALCS	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	104%		
D102814ALCS	D102814ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	106%		
D102814ALCS	D102814ALCS	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	114%		
D102814ALCS	D102814ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	94%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102814ALCS	D102814ALCS	ORG 96-18-4	1,2,3-Trichloropropane	48		ug/L	2	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	96%		
D102814ALCS	D102814ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	102%		
D102814ALCS	D102814ALCS	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	104%		
D102814ALCS	D102814ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	102%		
D102814ALCS	D102814ALCS	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	104%		
D102814ALCS	D102814ALCS	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	106%		
D102814ALCS	D102814ALCS	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	104%		
D102814ALCS	D102814ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	98%		
D102814ALCS	D102814ALCS	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	106%		
D102814ALCS	D102814ALCS	ORG 104-51-8	n-Butylbenzene	51		ug/L	5	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	102%		
D102814ALCS	D102814ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	56		ug/L	5	1.59	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	112%		
D102814ALCS	D102814ALCS	ORG 87-68-3	Hexachlorobutadiene	48		ug/L	5	0.65	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	96%		
D102814ALCS	D102814ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	92%		
D102814ALCS	D102814ALCS	ORG 91-20-3	Naphthalene	50		ug/L	5	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	100%		
D102814ALCS	D102814ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	98%		
D102814ALCS	D102814ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	98%		
D102814ALCS	D102814ALCS	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	92%		
D102814ALCS	D102814ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	94%		
D102814ALCS	D102814ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5114	50	102%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102814ALCD	D102814ALCD	ORG 75-71-8	Dichlorodifluoromethane	44		ug/L	5	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	88%	15%	
D102814ALCD	D102814ALCD	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	84%	9%	
D102814ALCD	D102814ALCD	ORG 75-01-4	Vinyl chloride	47		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	94%	12%	
D102814ALCD	D102814ALCD	ORG 74-83-9	Bromomethane	46		ug/L	5	0.50	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	92%	4%	
D102814ALCD	D102814ALCD	ORG 75-00-3	Chloroethane	43		ug/L	5	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	86%	5%	
D102814ALCD	D102814ALCD	ORG 75-69-4	Trichlorofluoromethane	93		ug/L	5	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	186%	20%	
D102814ALCD	D102814ALCD	ORG 75-35-4	1,1-Dichloroethene	46		ug/L	1	0.47	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	92%	9%	
D102814ALCD	D102814ALCD	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	88%	2%	
D102814ALCD	D102814ALCD	ORG 67-64-1	Acetone	69		ug/L	10	1.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	138%	3%	
D102814ALCD	D102814ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	90%	4%	
D102814ALCD	D102814ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	98%	8%	
D102814ALCD	D102814ALCD	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	90%	0%	
D102814ALCD	D102814ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	104%	4%	
D102814ALCD	D102814ALCD	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	96%	4%	
D102814ALCD	D102814ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	92%	0%	
D102814ALCD	D102814ALCD	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	94%	2%	
D102814ALCD	D102814ALCD	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	100%	13%	
D102814ALCD	D102814ALCD	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	98%	2%	
D102814ALCD	D102814ALCD	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	100%	0%	
D102814ALCD	D102814ALCD	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	92%	0%	
D102814ALCD	D102814ALCD	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	98%	2%	
D102814ALCD	D102814ALCD	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	98%	4%	
D102814ALCD	D102814ALCD	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	100%	2%	
D102814ALCD	D102814ALCD	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	90%	2%	
D102814ALCD	D102814ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	106%	4%	
D102814ALCD	D102814ALCD	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	92%	0%	
D102814ALCD	D102814ALCD	ORG 108-10-1	4-Methyl-2-pentanone	55		ug/L	5	0.74	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	110%	0%	
D102814ALCD	D102814ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	110%	0%	
D102814ALCD	D102814ALCD	ORG 127-18-4	Tetrachloroethene	49		ug/L	1	0.49	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	98%	2%	
D102814ALCD	D102814ALCD	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	92%	2%	
D102814ALCD	D102814ALCD	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	98%	4%	
D102814ALCD	D102814ALCD	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	102%	4%	
D102814ALCD	D102814ALCD	ORG 591-78-6	2-Hexanone	49		ug/L	2	0.69	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	98%	9%	
D102814ALCD	D102814ALCD	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	110%	2%	
D102814ALCD	D102814ALCD	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	96%	2%	
D102814ALCD	D102814ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	102%	0%	
D102814ALCD	D102814ALCD	ORG XYLMP	p&m-Xylene	115		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	100	115%	2%	
D102814ALCD	D102814ALCD	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	102%	0%	
D102814ALCD	D102814ALCD	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	102%	2%	
D102814ALCD	D102814ALCD	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	98%	6%	
D102814ALCD	D102814ALCD	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	106%	0%	
D102814ALCD	D102814ALCD	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	116%	2%	
D102814ALCD	D102814ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	94%	0%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102814ALCD	D102814ALCD	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	94%	2%	
D102814ALCD	D102814ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	104%	2%	
D102814ALCD	D102814ALCD	ORG 98-06-6	tert-Butylbenzene	51		ug/L	2	0.33	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	102%	2%	
D102814ALCD	D102814ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	104%	2%	
D102814ALCD	D102814ALCD	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	106%	2%	
D102814ALCD	D102814ALCD	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	106%	0%	
D102814ALCD	D102814ALCD	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	104%	0%	
D102814ALCD	D102814ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	96%	2%	
D102814ALCD	D102814ALCD	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	104%	2%	
D102814ALCD	D102814ALCD	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	104%	2%	
D102814ALCD	D102814ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	49		ug/L	5	1.59	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	98%	13%	
D102814ALCD	D102814ALCD	ORG 87-68-3	Hexachlorobutadiene	45		ug/L	5	0.65	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	90%	6%	
D102814ALCD	D102814ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	88%	4%	
D102814ALCD	D102814ALCD	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	94%	6%	
D102814ALCD	D102814ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	48		ug/L	5	0.23	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	96%	2%	
D102814ALCD	D102814ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	100%	2%	
D102814ALCD	D102814ALCD	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	94%	2%	
D102814ALCD	D102814ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	94%	0%	
D102814ALCD	D102814ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/28/2014	10/28/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5119	50	102%	0%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1727MS	T1-050	ORG 75-71-8	Dichlorodifluoromethane	4500		ug/L	500	29.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	90%		
NAL13026-1727MS	T1-050	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	88%		
NAL13026-1727MS	T1-050	ORG 75-01-4	Vinyl chloride	4800		ug/L	200	31.86	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	96%		
NAL13026-1727MS	T1-050	ORG 74-83-9	Bromomethane	4600		ug/L	500	50.04	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	92%		
NAL13026-1727MS	T1-050	ORG 75-00-3	Chloroethane	4200		ug/L	500	55.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	84%		
NAL13026-1727MS	T1-050	ORG 75-69-4	Trichlorofluoromethane	15000		ug/L	500	19.65	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	300%		
NAL13026-1727MS	T1-050	ORG 75-35-4	1,1-Dichloroethene	4800		ug/L	100	47.11	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	96%		
NAL13026-1727MS	T1-050	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	90%		
NAL13026-1727MS	T1-050	ORG 67-64-1	Acetone	59000		ug/L	1000	155.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	360%		41000
NAL13026-1727MS	T1-050	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	94%		
NAL13026-1727MS	T1-050	ORG 1634-04-4	MTBE	5100		ug/L	500	61.18	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	102%		
NAL13026-1727MS	T1-050	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	92%		
NAL13026-1727MS	T1-050	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	108%		
NAL13026-1727MS	T1-050	ORG 74-97-5	Bromochloromethane	4800		ug/L	1000	41.37	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	96%		
NAL13026-1727MS	T1-050	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	94%		
NAL13026-1727MS	T1-050	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	98%		
NAL13026-1727MS	T1-050	ORG 78-93-3	2-Butanone	13000		ug/L	100	81.18	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	168%		4600
NAL13026-1727MS	T1-050	ORG 56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	102%		
NAL13026-1727MS	T1-050	ORG 71-43-2	Benzene	5100		ug/L	100	13.53	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	102%		
NAL13026-1727MS	T1-050	ORG 107-06-2	1,2-Dichloroethane	4700		ug/L	100	20.01	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	94%		
NAL13026-1727MS	T1-050	ORG 79-01-6	Trichloroethene	5000		ug/L	100	36.33	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	100%		
NAL13026-1727MS	T1-050	ORG 74-95-3	Dibromomethane	5200		ug/L	200	32.20	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	104%		
NAL13026-1727MS	T1-050	ORG 78-87-5	1,2-Dichloropropane	5300		ug/L	100	18.17	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	106%		
NAL13026-1727MS	T1-050	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	94%		
NAL13026-1727MS	T1-050	ORG 10061-01-5	cis-1,3-Dichloropropene	5600		ug/L	100	25.01	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	112%		
NAL13026-1727MS	T1-050	ORG 108-88-3	Toluene	4800		ug/L	100	20.96	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	96%		
NAL13026-1727MS	T1-050	ORG 108-10-1	4-Methyl-2-pentanone	5800		ug/L	500	74.00	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	113%		160
NAL13026-1727MS	T1-050	ORG 10061-02-6	trans-1,3-Dichloropropene	5700		ug/L	100	31.15	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	114%		
NAL13026-1727MS	T1-050	ORG 127-18-4	Tetrachloroethene	5200		ug/L	100	48.56	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	104%		
NAL13026-1727MS	T1-050	ORG 79-00-5	1,1,2-Trichloroethane	4800		ug/L	100	34.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	96%		
NAL13026-1727MS	T1-050	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	102%		
NAL13026-1727MS	T1-050	ORG 106-93-4	1,2-Dibromoethane	5300		ug/L	200	26.49	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	106%		
NAL13026-1727MS	T1-050	ORG 591-78-6	2-Hexanone	4100		ug/L	200	68.90	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	82%		
NAL13026-1727MS	T1-050	ORG 100-41-4	Ethylbenzene	5700		ug/L	100	25.38	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	114%		
NAL13026-1727MS	T1-050	ORG 108-90-7	Chlorobenzene	4900		ug/L	100	27.52	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	98%		
NAL13026-1727MS	T1-050	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	102%		
NAL13026-1727MS	T1-050	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	10000	120%		
NAL13026-1727MS	T1-050	ORG 95-47-6	o-Xylene	5300		ug/L	100	12.90	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	106%		
NAL13026-1727MS	T1-050	ORG 100-42-5	Styrene	5300		ug/L	100	20.23	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	106%		
NAL13026-1727MS	T1-050	ORG 75-25-2	Bromoform	5100		ug/L	200	46.83	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	102%		
NAL13026-1727MS	T1-050	ORG 98-82-8	Isopropylbenzene	5600		ug/L	200	20.48	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	112%		
NAL13026-1727MS	T1-050	ORG 103-65-1	n-Propylbenzene	6000		ug/L	200	27.00	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	120%		
NAL13026-1727MS	T1-050	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	96%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1727MS	T1-050	ORG 96-18-4	1,2,3-Trichloropropane	4800		ug/L	200	29.47	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	96%		
NAL13026-1727MS	T1-050	ORG 108-67-8	1,3,5-Trimethylbenzene	5300		ug/L	200	20.03	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	106%		
NAL13026-1727MS	T1-050	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	106%		
NAL13026-1727MS	T1-050	ORG 95-63-6	1,2,4-Trimethylbenzene	5400		ug/L	200	20.03	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	107%		41
NAL13026-1727MS	T1-050	ORG 135-98-8	sec-Butylbenzene	5600		ug/L	200	32.34	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	112%		
NAL13026-1727MS	T1-050	ORG 541-73-1	1,3-Dichlorobenzene	5500		ug/L	200	22.21	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	110%		
NAL13026-1727MS	T1-050	ORG 99-87-6	p-Isopropyltoluene	5500		ug/L	200	25.48	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	105%		230
NAL13026-1727MS	T1-050	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	101%		66
NAL13026-1727MS	T1-050	ORG 95-50-1	1,2-Dichlorobenzene	5600		ug/L	200	26.38	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	112%		
NAL13026-1727MS	T1-050	ORG 104-51-8	n-Butylbenzene	5500		ug/L	500	27.81	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	109%		33
NAL13026-1727MS	T1-050	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6100		ug/L	500	159.11	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	122%		
NAL13026-1727MS	T1-050	ORG 87-68-3	Hexachlorobutadiene	4800		ug/L	500	65.42	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	96%		
NAL13026-1727MS	T1-050	ORG 120-82-1	1,2,4-Trichlorobenzene	4800		ug/L	500	27.63	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	96%		
NAL13026-1727MS	T1-050	ORG 91-20-3	Naphthalene	5700		ug/L	500	56.04	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	111%		140
NAL13026-1727MS	T1-050	ORG 87-61-6	1,2,3-Trichlorobenzene	5100		ug/L	500	23.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	5000	102%		
NAL13026-1727MS	T1-050	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	50	98%		
NAL13026-1727MS	T1-050	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	50	92%		
NAL13026-1727MS	T1-050	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	50	96%		
NAL13026-1727MS	T1-050	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5120	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1727MSD	T1-050	ORG 75-71-8	Dichlorodifluoromethane	4600		ug/L	500	29.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	92%	2%	
NAL13026-1727MSD	T1-050	ORG 74-87-3	Chloromethane	4500		ug/L	500	43.07	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	90%	2%	
NAL13026-1727MSD	T1-050	ORG 75-01-4	Vinyl chloride	5100		ug/L	200	31.86	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	102%	6%	
NAL13026-1727MSD	T1-050	ORG 74-83-9	Bromomethane	3900		ug/L	500	50.04	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	78%	16%	
NAL13026-1727MSD	T1-050	ORG 75-00-3	Chloroethane	4000		ug/L	500	55.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	80%	5%	
NAL13026-1727MSD	T1-050	ORG 75-69-4	Trichlorofluoromethane	8200		ug/L	500	19.65	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	164%	59%	
NAL13026-1727MSD	T1-050	ORG 75-35-4	1,1-Dichloroethene	4000		ug/L	100	47.11	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	80%	18%	
NAL13026-1727MSD	T1-050	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	88%	2%	
NAL13026-1727MSD	T1-050	ORG 67-64-1	Acetone	63000		ug/L	1000	155.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	440%	7%	41000
NAL13026-1727MSD	T1-050	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	94%	0%	
NAL13026-1727MSD	T1-050	ORG 1634-04-4	MTBE	5300		ug/L	500	61.18	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	106%	4%	
NAL13026-1727MSD	T1-050	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	90%	2%	
NAL13026-1727MSD	T1-050	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	108%	0%	
NAL13026-1727MSD	T1-050	ORG 74-97-5	Bromochloromethane	4800		ug/L	1000	41.37	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	96%	0%	
NAL13026-1727MSD	T1-050	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	92%	2%	
NAL13026-1727MSD	T1-050	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	98%	0%	
NAL13026-1727MSD	T1-050	ORG 78-93-3	2-Butanone	14000		ug/L	100	81.18	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	188%	7%	4600
NAL13026-1727MSD	T1-050	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	98%	4%	
NAL13026-1727MSD	T1-050	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	100%	2%	
NAL13026-1727MSD	T1-050	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	92%	2%	
NAL13026-1727MSD	T1-050	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	98%	2%	
NAL13026-1727MSD	T1-050	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	100%	4%	
NAL13026-1727MSD	T1-050	ORG 78-87-5	1,2-Dichloropropane	5200		ug/L	100	18.17	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	104%	2%	
NAL13026-1727MSD	T1-050	ORG 75-27-4	Bromodichloromethane	4700		ug/L	200	11.58	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	94%	0%	
NAL13026-1727MSD	T1-050	ORG 10061-01-5	cis-1,3-Dichloropropene	5500		ug/L	100	25.01	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	110%	2%	
NAL13026-1727MSD	T1-050	ORG 108-88-3	Toluene	4700		ug/L	100	20.96	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	94%	2%	
NAL13026-1727MSD	T1-050	ORG 108-10-1	4-Methyl-2-pentanone	5600		ug/L	500	74.00	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	109%	4%	160
NAL13026-1727MSD	T1-050	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	112%	2%	
NAL13026-1727MSD	T1-050	ORG 127-18-4	Tetrachloroethene	5300		ug/L	100	48.56	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	106%	2%	
NAL13026-1727MSD	T1-050	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	92%	4%	
NAL13026-1727MSD	T1-050	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	98%	4%	
NAL13026-1727MSD	T1-050	ORG 106-93-4	1,2-Dibromoethane	5100		ug/L	200	26.49	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	102%	4%	
NAL13026-1727MSD	T1-050	ORG 591-78-6	2-Hexanone	3800		ug/L	200	68.90	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	76%	8%	
NAL13026-1727MSD	T1-050	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	110%	4%	
NAL13026-1727MSD	T1-050	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	96%	2%	
NAL13026-1727MSD	T1-050	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	102%	0%	
NAL13026-1727MSD	T1-050	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	10000	110%	9%	
NAL13026-1727MSD	T1-050	ORG 95-47-6	o-Xylene	5300		ug/L	100	12.90	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	106%	0%	
NAL13026-1727MSD	T1-050	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	104%	2%	
NAL13026-1727MSD	T1-050	ORG 75-25-2	Bromoform	4900		ug/L	200	46.83	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	98%	4%	
NAL13026-1727MSD	T1-050	ORG 98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	110%	2%	
NAL13026-1727MSD	T1-050	ORG 103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	116%	3%	
NAL13026-1727MSD	T1-050	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	94%	2%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1727MSD	T1-050	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	94%	2%	
NAL13026-1727MSD	T1-050	ORG 108-67-8	1,3,5-Trimethylbenzene	5200		ug/L	200	20.03	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	104%	2%	
NAL13026-1727MSD	T1-050	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	104%	2%	
NAL13026-1727MSD	T1-050	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	105%	2%	41
NAL13026-1727MSD	T1-050	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	108%	4%	
NAL13026-1727MSD	T1-050	ORG 541-73-1	1,3-Dichlorobenzene	5400		ug/L	200	22.21	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	108%	2%	
NAL13026-1727MSD	T1-050	ORG 99-87-6	p-Isopropyltoluene	5400		ug/L	200	25.48	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	103%	2%	230
NAL13026-1727MSD	T1-050	ORG 106-46-7	1,4-Dichlorobenzene	4900		ug/L	200	33.03	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	97%	4%	66
NAL13026-1727MSD	T1-050	ORG 95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	108%	4%	
NAL13026-1727MSD	T1-050	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	107%	2%	33
NAL13026-1727MSD	T1-050	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5800		ug/L	500	159.11	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	116%	5%	
NAL13026-1727MSD	T1-050	ORG 87-68-3	Hexachlorobutadiene	4700		ug/L	500	65.42	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	94%	2%	
NAL13026-1727MSD	T1-050	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	98%	2%	
NAL13026-1727MSD	T1-050	ORG 91-20-3	Naphthalene	5700		ug/L	500	56.04	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	111%	0%	140
NAL13026-1727MSD	T1-050	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	5000	104%	2%	
NAL13026-1727MSD	T1-050	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	50	98%	0%	
NAL13026-1727MSD	T1-050	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	50	92%	0%	
NAL13026-1727MSD	T1-050	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	50	96%	0%	
NAL13026-1727MSD	T1-050	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/28/2014	10/28/2014	10/28/2014	WG	100	NA	5.0	NA	SW8260B	NALD5121	50	104%	2%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1728	T1-051	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 74-87-3	Chloromethane		UX-	ug/L	500	43.07	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 75-00-3	Chloroethane		UX-	ug/L	500	55.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 75-35-4	1,1-Dichloroethene		UX-	ug/L	100	47.11	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 67-64-1	Acetone	60000	D	ug/L	10000	1556.07	10/29/2014	10/29/2014	10/29/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5127				
NAL13026-1728	T1-051	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 78-93-3	2-Butanone	10000	U	ug/L	1000	81.18	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 108-10-1	4-Methyl-2-pentanone	200	J	ug/L	500	74.00	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 591-78-6	2-Hexanone		U	ug/L	500	68.90	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1728	T1-051	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	200	20.03	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	200	20.03	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 99-87-6	p-Isopropyltoluene	230		ug/L	200	25.48	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 106-46-7	1,4-Dichlorobenzene	73	J	ug/L	200	33.03	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 91-20-3	Naphthalene	190	J	ug/L	500	56.04	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126				
NAL13026-1728	T1-051	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126	50	94%		
NAL13026-1728	T1-051	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126	50	96%		
NAL13026-1728	T1-051	STD 2037-26-5	Toluene d8	52		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126	50	104%		
NAL13026-1728	T1-051	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5126	50	110%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102914CCVA	D102914CCVA	ORG 75-71-8	Dichlorodifluoromethane	42		ug/L	5	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	84%		
D102914CCVA	D102914CCVA	ORG 74-87-3	Chloromethane	40		ug/L	5	0.43	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	80%		
D102914CCVA	D102914CCVA	ORG 75-01-4	Vinyl chloride	48		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	96%		
D102914CCVA	D102914CCVA	ORG 74-83-9	Bromomethane	51		ug/L	5	0.50	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	102%		
D102914CCVA	D102914CCVA	ORG 75-00-3	Chloroethane	37		ug/L	5	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	74%		
D102914CCVA	D102914CCVA	ORG 75-69-4	Trichlorofluoromethane	88		ug/L	5	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	176%		
D102914CCVA	D102914CCVA	ORG 75-35-4	1,1-Dichloroethene	40		ug/L	1	0.47	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	80%		
D102914CCVA	D102914CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	90%		
D102914CCVA	D102914CCVA	ORG 67-64-1	Acetone	54		ug/L	10	1.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	108%		
D102914CCVA	D102914CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	92%		
D102914CCVA	D102914CCVA	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	102%		
D102914CCVA	D102914CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	90%		
D102914CCVA	D102914CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	108%		
D102914CCVA	D102914CCVA	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	96%		
D102914CCVA	D102914CCVA	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	92%		
D102914CCVA	D102914CCVA	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	98%		
D102914CCVA	D102914CCVA	ORG 78-93-3	2-Butanone	48		ug/L	1	0.81	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	96%		
D102914CCVA	D102914CCVA	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	100%		
D102914CCVA	D102914CCVA	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	100%		
D102914CCVA	D102914CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	90%		
D102914CCVA	D102914CCVA	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	100%		
D102914CCVA	D102914CCVA	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	96%		
D102914CCVA	D102914CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	98%		
D102914CCVA	D102914CCVA	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	90%		
D102914CCVA	D102914CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	108%		
D102914CCVA	D102914CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	92%		
D102914CCVA	D102914CCVA	ORG 108-10-1	4-Methyl-2-pentanone	52		ug/L	5	0.74	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	104%		
D102914CCVA	D102914CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	108%		
D102914CCVA	D102914CCVA	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	92%		
D102914CCVA	D102914CCVA	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	88%		
D102914CCVA	D102914CCVA	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	98%		
D102914CCVA	D102914CCVA	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	98%		
D102914CCVA	D102914CCVA	ORG 591-78-6	2-Hexanone	46		ug/L	2	0.69	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	92%		
D102914CCVA	D102914CCVA	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	110%		
D102914CCVA	D102914CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	96%		
D102914CCVA	D102914CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	102%		
D102914CCVA	D102914CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	100	110%		
D102914CCVA	D102914CCVA	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	102%		
D102914CCVA	D102914CCVA	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	102%		
D102914CCVA	D102914CCVA	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	98%		
D102914CCVA	D102914CCVA	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	108%		
D102914CCVA	D102914CCVA	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	116%		
D102914CCVA	D102914CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	44		ug/L	2	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	88%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102914CCVA	D102914CCVA	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	88%		
D102914CCVA	D102914CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	102%		
D102914CCVA	D102914CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	106%		
D102914CCVA	D102914CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	104%		
D102914CCVA	D102914CCVA	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	108%		
D102914CCVA	D102914CCVA	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	106%		
D102914CCVA	D102914CCVA	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	106%		
D102914CCVA	D102914CCVA	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	98%		
D102914CCVA	D102914CCVA	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	104%		
D102914CCVA	D102914CCVA	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	106%		
D102914CCVA	D102914CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	47		ug/L	5	1.59	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	94%		
D102914CCVA	D102914CCVA	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	98%		
D102914CCVA	D102914CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	90%		
D102914CCVA	D102914CCVA	ORG 91-20-3	Naphthalene	43		ug/L	5	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	86%		
D102914CCVA	D102914CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	47		ug/L	5	0.23	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	94%		
D102914CCVA	D102914CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	98%		
D102914CCVA	D102914CCVA	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	88%		
D102914CCVA	D102914CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	94%		
D102914CCVA	D102914CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5123	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102914MBKA	D102914MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 100-42-4	Styrene	U		ug/L	1	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102914MBKA	D102914MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125				
D102914MBKA	D102914MBKA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125	50	98%		
D102914MBKA	D102914MBKA	STD 17060-07-0	1,2-Dichloroethane d4	50		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125	50	100%		
D102914MBKA	D102914MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125	50	102%		
D102914MBKA	D102914MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5125	50	110%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102914ALCS	D102914ALCS	ORG 75-71-8	Dichlorodifluoromethane	39		ug/L	5	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	78%		
D102914ALCS	D102914ALCS	ORG 74-87-3	Chloromethane	37		ug/L	5	0.43	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	74%		
D102914ALCS	D102914ALCS	ORG 75-01-4	Vinyl chloride	44		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	88%		
D102914ALCS	D102914ALCS	ORG 74-83-9	Bromomethane	46		ug/L	5	0.50	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	92%		
D102914ALCS	D102914ALCS	ORG 75-00-3	Chloroethane	37		ug/L	5	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	74%		
D102914ALCS	D102914ALCS	ORG 75-69-4	Trichlorofluoromethane	88		ug/L	5	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	176%		
D102914ALCS	D102914ALCS	ORG 75-35-4	1,1-Dichloroethene	39		ug/L	1	0.47	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	78%		
D102914ALCS	D102914ALCS	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	90%		
D102914ALCS	D102914ALCS	ORG 67-64-1	Acetone	78		ug/L	10	1.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	156%		
D102914ALCS	D102914ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	94%		
D102914ALCS	D102914ALCS	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	104%		
D102914ALCS	D102914ALCS	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	90%		
D102914ALCS	D102914ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	108%		
D102914ALCS	D102914ALCS	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	98%		
D102914ALCS	D102914ALCS	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	92%		
D102914ALCS	D102914ALCS	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	94%		
D102914ALCS	D102914ALCS	ORG 78-93-3	2-Butanone	48		ug/L	1	0.81	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	96%		
D102914ALCS	D102914ALCS	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	98%		
D102914ALCS	D102914ALCS	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	100%		
D102914ALCS	D102914ALCS	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	90%		
D102914ALCS	D102914ALCS	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	98%		
D102914ALCS	D102914ALCS	ORG 74-95-3	Dibromomethane	50		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	100%		
D102914ALCS	D102914ALCS	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	100%		
D102914ALCS	D102914ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	92%		
D102914ALCS	D102914ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	110%		
D102914ALCS	D102914ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	92%		
D102914ALCS	D102914ALCS	ORG 108-10-1	4-Methyl-2-pentanone	57		ug/L	5	0.74	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	114%		
D102914ALCS	D102914ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	114%		
D102914ALCS	D102914ALCS	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	96%		
D102914ALCS	D102914ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	92%		
D102914ALCS	D102914ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	102%		
D102914ALCS	D102914ALCS	ORG 106-93-4	1,2-Dibromoethane	53		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	106%		
D102914ALCS	D102914ALCS	ORG 591-78-6	2-Hexanone	52		ug/L	2	0.69	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	104%		
D102914ALCS	D102914ALCS	ORG 100-41-4	Ethylbenzene	56		ug/L	1	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	112%		
D102914ALCS	D102914ALCS	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	98%		
D102914ALCS	D102914ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	104%		
D102914ALCS	D102914ALCS	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	100	120%		
D102914ALCS	D102914ALCS	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	104%		
D102914ALCS	D102914ALCS	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	102%		
D102914ALCS	D102914ALCS	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	102%		
D102914ALCS	D102914ALCS	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	110%		
D102914ALCS	D102914ALCS	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	116%		
D102914ALCS	D102914ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	96%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102914ALCS	D102914ALCS	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	94%		
D102914ALCS	D102914ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	104%		
D102914ALCS	D102914ALCS	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	106%		
D102914ALCS	D102914ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	106%		
D102914ALCS	D102914ALCS	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	108%		
D102914ALCS	D102914ALCS	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	110%		
D102914ALCS	D102914ALCS	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	106%		
D102914ALCS	D102914ALCS	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	100%		
D102914ALCS	D102914ALCS	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	108%		
D102914ALCS	D102914ALCS	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	106%		
D102914ALCS	D102914ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	55		ug/L	5	1.59	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	110%		
D102914ALCS	D102914ALCS	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	98%		
D102914ALCS	D102914ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	48		ug/L	5	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	96%		
D102914ALCS	D102914ALCS	ORG 91-20-3	Naphthalene	50		ug/L	5	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	100%		
D102914ALCS	D102914ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	102%		
D102914ALCS	D102914ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	98%		
D102914ALCS	D102914ALCS	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	90%		
D102914ALCS	D102914ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	94%		
D102914ALCS	D102914ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5124	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102914ALCD	D102914ALCD	ORG 75-71-8	Dichlorodifluoromethane	42		ug/L	5	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	84%	7%	
D102914ALCD	D102914ALCD	ORG 74-87-3	Chloromethane	43		ug/L	5	0.43	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	86%	15%	
D102914ALCD	D102914ALCD	ORG 75-01-4	Vinyl chloride	47		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	94%	7%	
D102914ALCD	D102914ALCD	ORG 74-83-9	Bromomethane	55		ug/L	5	0.50	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	110%	18%	
D102914ALCD	D102914ALCD	ORG 75-00-3	Chloroethane	42		ug/L	5	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	84%	13%	
D102914ALCD	D102914ALCD	ORG 75-69-4	Trichlorofluoromethane	150		ug/L	5	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	300%	52%	
D102914ALCD	D102914ALCD	ORG 75-35-4	1,1-Dichloroethene	50		ug/L	1	0.47	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	100%	25%	
D102914ALCD	D102914ALCD	ORG 75-09-2	Methylene chloride	37		ug/L	5	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	74%	20%	
D102914ALCD	D102914ALCD	ORG 67-64-1	Acetone	45		ug/L	10	1.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	90%	54%	
D102914ALCD	D102914ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	46		ug/L	1	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	92%	2%	
D102914ALCD	D102914ALCD	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	102%	2%	
D102914ALCD	D102914ALCD	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	90%	0%	
D102914ALCD	D102914ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	53		ug/L	1	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	106%	2%	
D102914ALCD	D102914ALCD	ORG 74-97-5	Bromochloromethane	47		ug/L	10	0.41	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	94%	4%	
D102914ALCD	D102914ALCD	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	94%	2%	
D102914ALCD	D102914ALCD	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	98%	4%	
D102914ALCD	D102914ALCD	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	100%	4%	
D102914ALCD	D102914ALCD	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	100%	2%	
D102914ALCD	D102914ALCD	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	100%	0%	
D102914ALCD	D102914ALCD	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	94%	4%	
D102914ALCD	D102914ALCD	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	98%	0%	
D102914ALCD	D102914ALCD	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	98%	2%	
D102914ALCD	D102914ALCD	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	102%	2%	
D102914ALCD	D102914ALCD	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	94%	2%	
D102914ALCD	D102914ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	108%	2%	
D102914ALCD	D102914ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	94%	2%	
D102914ALCD	D102914ALCD	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	108%	5%	
D102914ALCD	D102914ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	112%	2%	
D102914ALCD	D102914ALCD	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	90%	6%	
D102914ALCD	D102914ALCD	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	92%	0%	
D102914ALCD	D102914ALCD	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	100%	2%	
D102914ALCD	D102914ALCD	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	102%	4%	
D102914ALCD	D102914ALCD	ORG 591-78-6	2-Hexanone	49		ug/L	2	0.69	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	98%	6%	
D102914ALCD	D102914ALCD	ORG 100-41-4	Ethylbenzene	56		ug/L	1	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	112%	0%	
D102914ALCD	D102914ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	98%	0%	
D102914ALCD	D102914ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	104%	0%	
D102914ALCD	D102914ALCD	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	100	120%	0%	
D102914ALCD	D102914ALCD	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	106%	2%	
D102914ALCD	D102914ALCD	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	104%	2%	
D102914ALCD	D102914ALCD	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	98%	4%	
D102914ALCD	D102914ALCD	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	110%	0%	
D102914ALCD	D102914ALCD	ORG 103-65-1	n-Propylbenzene	60		ug/L	2	0.27	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	120%	3%	
D102914ALCD	D102914ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	94%	2%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D102914ALCD	D102914ALCD	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	94%	0%	
D102914ALCD	D102914ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	54		ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	108%	4%	
D102914ALCD	D102914ALCD	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	110%	4%	
D102914ALCD	D102914ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	54		ug/L	2	0.20	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	108%	2%	
D102914ALCD	D102914ALCD	ORG 135-98-8	sec-Butylbenzene	56		ug/L	2	0.32	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	112%	4%	
D102914ALCD	D102914ALCD	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	110%	0%	
D102914ALCD	D102914ALCD	ORG 99-87-6	p-Isopropyltoluene	55		ug/L	2	0.25	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	110%	4%	
D102914ALCD	D102914ALCD	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	100%	0%	
D102914ALCD	D102914ALCD	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	108%	0%	
D102914ALCD	D102914ALCD	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	110%	4%	
D102914ALCD	D102914ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	50		ug/L	5	1.59	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	100%	10%	
D102914ALCD	D102914ALCD	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	98%	0%	
D102914ALCD	D102914ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	92%	4%	
D102914ALCD	D102914ALCD	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	96%	4%	
D102914ALCD	D102914ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	100%	2%	
D102914ALCD	D102914ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	98%	0%	
D102914ALCD	D102914ALCD	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	94%	4%	
D102914ALCD	D102914ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	94%	0%	
D102914ALCD	D102914ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/29/2014	10/29/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5128	50	102%	2%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1728MS	T1-051	ORG 75-71-8	Dichlorodifluoromethane	4000		ug/L	500	29.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	80%		
NAL13026-1728MS	T1-051	ORG 74-87-3	Chloromethane	4200		ug/L	500	43.07	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	84%		
NAL13026-1728MS	T1-051	ORG 75-01-4	Vinyl chloride	4600		ug/L	200	31.86	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	92%		
NAL13026-1728MS	T1-051	ORG 74-83-9	Bromomethane	4200		ug/L	500	50.04	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	84%		
NAL13026-1728MS	T1-051	ORG 75-00-3	Chloroethane	4100		ug/L	500	55.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	82%		
NAL13026-1728MS	T1-051	ORG 75-69-4	Trichlorofluoromethane	8700		ug/L	500	19.65	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	174%		
NAL13026-1728MS	T1-051	ORG 75-35-4	1,1-Dichloroethene	4000		ug/L	100	47.11	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	80%		
NAL13026-1728MS	T1-051	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	88%		
NAL13026-1728MS	T1-051	ORG 67-64-1	Acetone	63000		ug/L	1000	155.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	60%		60000
NAL13026-1728MS	T1-051	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	90%		
NAL13026-1728MS	T1-051	ORG 1634-04-4	MTBE	5100		ug/L	500	61.18	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	102%		
NAL13026-1728MS	T1-051	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	90%		
NAL13026-1728MS	T1-051	ORG 156-59-2	cis-1,2-Dichloroethene	5300		ug/L	100	32.11	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	106%		
NAL13026-1728MS	T1-051	ORG 74-97-5	Bromochloromethane	4800		ug/L	1000	41.37	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	96%		
NAL13026-1728MS	T1-051	ORG 67-66-3	Chloroform	4600		ug/L	200	15.73	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	92%		
NAL13026-1728MS	T1-051	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	96%		
NAL13026-1728MS	T1-051	ORG 78-93-3	2-Butanone	15000		ug/L	100	81.18	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	100%		10000
NAL13026-1728MS	T1-051	ORG 56-23-5	Carbon tetrachloride	4800		ug/L	100	27.64	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	96%		
NAL13026-1728MS	T1-051	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	98%		
NAL13026-1728MS	T1-051	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	92%		
NAL13026-1728MS	T1-051	ORG 79-01-6	Trichloroethene	4800		ug/L	100	36.33	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	96%		
NAL13026-1728MS	T1-051	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	100%		
NAL13026-1728MS	T1-051	ORG 78-87-5	1,2-Dichloropropane	5200		ug/L	100	18.17	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	104%		
NAL13026-1728MS	T1-051	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	92%		
NAL13026-1728MS	T1-051	ORG 10061-01-5	cis-1,3-Dichloropropene	5500		ug/L	100	25.01	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	110%		
NAL13026-1728MS	T1-051	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	92%		
NAL13026-1728MS	T1-051	ORG 108-10-1	4-Methyl-2-pentanone	5700		ug/L	500	74.00	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	110%		200
NAL13026-1728MS	T1-051	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	112%		
NAL13026-1728MS	T1-051	ORG 127-18-4	Tetrachloroethene	4600		ug/L	100	48.56	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	92%		
NAL13026-1728MS	T1-051	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	92%		
NAL13026-1728MS	T1-051	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	100%		
NAL13026-1728MS	T1-051	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	104%		
NAL13026-1728MS	T1-051	ORG 591-78-6	2-Hexanone	3800		ug/L	200	68.90	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	76%		
NAL13026-1728MS	T1-051	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	110%		
NAL13026-1728MS	T1-051	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	96%		
NAL13026-1728MS	T1-051	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	102%		
NAL13026-1728MS	T1-051	ORG XYLMP	p&m-Xylene	12000		ug/L	200	26.14	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	10000	120%		
NAL13026-1728MS	T1-051	ORG 95-47-6	o-Xylene	5300		ug/L	100	12.90	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	106%		
NAL13026-1728MS	T1-051	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	104%		
NAL13026-1728MS	T1-051	ORG 75-25-2	Bromoform	5100		ug/L	200	46.83	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	102%		
NAL13026-1728MS	T1-051	ORG 98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	110%		
NAL13026-1728MS	T1-051	ORG 103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	116%		
NAL13026-1728MS	T1-051	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1728MS	T1-051	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	94%		
NAL13026-1728MS	T1-051	ORG 108-67-8	1,3,5-Trimethylbenzene	5200		ug/L	200	20.03	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	104%		
NAL13026-1728MS	T1-051	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	106%		
NAL13026-1728MS	T1-051	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	106%		
NAL13026-1728MS	T1-051	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	108%		
NAL13026-1728MS	T1-051	ORG 541-73-1	1,3-Dichlorobenzene	5400		ug/L	200	22.21	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	108%		
NAL13026-1728MS	T1-051	ORG 99-87-6	p-Isopropyltoluene	5400		ug/L	200	25.48	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	103%		230
NAL13026-1728MS	T1-051	ORG 106-46-7	1,4-Dichlorobenzene	5000		ug/L	200	33.03	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	99%		73
NAL13026-1728MS	T1-051	ORG 95-50-1	1,2-Dichlorobenzene	5500		ug/L	200	26.38	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	110%		
NAL13026-1728MS	T1-051	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	108%		
NAL13026-1728MS	T1-051	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6000		ug/L	500	159.11	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	120%		
NAL13026-1728MS	T1-051	ORG 87-68-3	Hexachlorobutadiene	4900		ug/L	500	65.42	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	98%		
NAL13026-1728MS	T1-051	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	98%		
NAL13026-1728MS	T1-051	ORG 91-20-3	Naphthalene	5700		ug/L	500	56.04	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	110%		190
NAL13026-1728MS	T1-051	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	5000	104%		
NAL13026-1728MS	T1-051	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	50	98%		
NAL13026-1728MS	T1-051	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	50	92%		
NAL13026-1728MS	T1-051	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	50	94%		
NAL13026-1728MS	T1-051	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5129	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1728MSD	T1-051	ORG 75-71-8	Dichlorodifluoromethane	4000		ug/L	500	29.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	80%	0%	
NAL13026-1728MSD	T1-051	ORG 74-87-3	Chloromethane	4200		ug/L	500	43.07	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	84%	0%	
NAL13026-1728MSD	T1-051	ORG 75-01-4	Vinyl chloride	4700		ug/L	200	31.86	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	94%	2%	
NAL13026-1728MSD	T1-051	ORG 74-83-9	Bromomethane	3300		ug/L	500	50.04	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	66%	24%	
NAL13026-1728MSD	T1-051	ORG 75-00-3	Chloroethane	3900		ug/L	500	55.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	78%	5%	
NAL13026-1728MSD	T1-051	ORG 75-69-4	Trichlorofluoromethane	6100		ug/L	500	19.65	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	122%	35%	
NAL13026-1728MSD	T1-051	ORG 75-35-4	1,1-Dichloroethene	6100		ug/L	100	47.11	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	122%	42%	
NAL13026-1728MSD	T1-051	ORG 75-09-2	Methylene chloride	4300		ug/L	500	26.46	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	86%	2%	
NAL13026-1728MSD	T1-051	ORG 67-64-1	Acetone	63000		ug/L	1000	155.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	60%	0%	60000
NAL13026-1728MSD	T1-051	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	90%	0%	
NAL13026-1728MSD	T1-051	ORG 1634-04-4	MTBE	5100		ug/L	500	61.18	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	102%	0%	
NAL13026-1728MSD	T1-051	ORG 75-34-3	1,1-Dichloroethane	4400		ug/L	100	52.66	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	88%	2%	
NAL13026-1728MSD	T1-051	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	108%	2%	
NAL13026-1728MSD	T1-051	ORG 74-97-5	Bromochloromethane	4700		ug/L	1000	41.37	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	94%	2%	
NAL13026-1728MSD	T1-051	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	90%	2%	
NAL13026-1728MSD	T1-051	ORG 71-55-6	1,1,1-Trichloroethane	4800		ug/L	100	16.65	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	96%	0%	
NAL13026-1728MSD	T1-051	ORG 78-93-3	2-Butanone	15000		ug/L	100	81.18	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	100%	0%	10000
NAL13026-1728MSD	T1-051	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	98%	2%	
NAL13026-1728MSD	T1-051	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	98%	0%	
NAL13026-1728MSD	T1-051	ORG 107-06-2	1,2-Dichloroethane	4500		ug/L	100	20.01	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	90%	2%	
NAL13026-1728MSD	T1-051	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	98%	2%	
NAL13026-1728MSD	T1-051	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	100%	0%	
NAL13026-1728MSD	T1-051	ORG 78-87-5	1,2-Dichloropropane	5200		ug/L	100	18.17	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	104%	0%	
NAL13026-1728MSD	T1-051	ORG 75-27-4	Bromodichloromethane	4500		ug/L	200	11.58	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	90%	2%	
NAL13026-1728MSD	T1-051	ORG 10061-01-5	cis-1,3-Dichloropropene	5400		ug/L	100	25.01	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	108%	2%	
NAL13026-1728MSD	T1-051	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	92%	0%	
NAL13026-1728MSD	T1-051	ORG 108-10-1	4-Methyl-2-pentanone	5500		ug/L	500	74.00	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	106%	4%	200
NAL13026-1728MSD	T1-051	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	112%	0%	
NAL13026-1728MSD	T1-051	ORG 127-18-4	Tetrachloroethene	4900		ug/L	100	48.56	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	98%	6%	
NAL13026-1728MSD	T1-051	ORG 79-00-5	1,1,2-Trichloroethane	4500		ug/L	100	34.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	90%	2%	
NAL13026-1728MSD	T1-051	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	98%	2%	
NAL13026-1728MSD	T1-051	ORG 106-93-4	1,2-Dibromoethane	5100		ug/L	200	26.49	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	102%	2%	
NAL13026-1728MSD	T1-051	ORG 591-78-6	2-Hexanone	3500		ug/L	200	68.90	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	70%	8%	
NAL13026-1728MSD	T1-051	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	110%	0%	
NAL13026-1728MSD	T1-051	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	96%	0%	
NAL13026-1728MSD	T1-051	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	100%	2%	
NAL13026-1728MSD	T1-051	ORG XYLMP	p&w-Xylene	11000		ug/L	200	26.14	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	10000	110%	9%	
NAL13026-1728MSD	T1-051	ORG 95-47-6	o-Xylene	5200		ug/L	100	12.90	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	104%	2%	
NAL13026-1728MSD	T1-051	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	102%	2%	
NAL13026-1728MSD	T1-051	ORG 75-25-2	Bromoform	5000		ug/L	200	46.83	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	100%	2%	
NAL13026-1728MSD	T1-051	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	108%	2%	
NAL13026-1728MSD	T1-051	ORG 103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	116%	0%	
NAL13026-1728MSD	T1-051	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	94%	2%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1728MSD	T1-051	ORG 96-18-4	1,2,3-Trichloropropane	4600		ug/L	200	29.47	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	92%	2%	
NAL13026-1728MSD	T1-051	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	102%	2%	
NAL13026-1728MSD	T1-051	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	106%	0%	
NAL13026-1728MSD	T1-051	ORG 95-63-6	1,2,4-Trimethylbenzene	5200		ug/L	200	20.03	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	104%	2%	
NAL13026-1728MSD	T1-051	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	108%	0%	
NAL13026-1728MSD	T1-051	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	106%	2%	
NAL13026-1728MSD	T1-051	ORG 99-87-6	p-Isopropyltoluene	5400		ug/L	200	25.48	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	103%	0%	230
NAL13026-1728MSD	T1-051	ORG 106-46-7	1,4-Dichlorobenzene	5000		ug/L	200	33.03	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	99%	0%	73
NAL13026-1728MSD	T1-051	ORG 95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	108%	2%	
NAL13026-1728MSD	T1-051	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	108%	0%	
NAL13026-1728MSD	T1-051	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5600		ug/L	500	159.11	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	112%	7%	
NAL13026-1728MSD	T1-051	ORG 87-68-3	Hexachlorobutadiene	5000		ug/L	500	65.42	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	100%	2%	
NAL13026-1728MSD	T1-051	ORG 120-82-1	1,2,4-Trichlorobenzene	5000		ug/L	500	27.63	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	100%	2%	
NAL13026-1728MSD	T1-051	ORG 91-20-3	Naphthalene	5600		ug/L	500	56.04	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	108%	2%	190
NAL13026-1728MSD	T1-051	ORG 87-61-6	1,2,3-Trichlorobenzene	5100		ug/L	500	23.28	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	5000	102%	2%	
NAL13026-1728MSD	T1-051	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	50	96%	2%	
NAL13026-1728MSD	T1-051	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	50	90%	2%	
NAL13026-1728MSD	T1-051	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	50	96%	2%	
NAL13026-1728MSD	T1-051	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/29/2014	10/29/2014	10/29/2014	WG	100	NA	5.0	NA	SW8260B	NALD5130	50	104%	2%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1729	T1-052	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 75-00-3	Chloroethane		UX-	ug/L	500	55.61	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 75-35-4	1,1-Dichloroethene		UX-	ug/L	100	47.11	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 67-64-1	Acetone	75000	DX+	ug/L	10000	1556.07	10/30/2014	10/30/2014	10/30/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5136				
NAL13026-1729	T1-052	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 78-93-3	2-Butanone	10000		ug/L	1000	81.18	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 108-10-1	4-Methyl-2-pentanone	190	J	ug/L	500	74.00	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 591-78-6	2-Hexanone	61	J	ug/L	500	68.90	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1729	T1-052	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 108-67-8	1,3,5-Trimethylbenzene	62	J	ug/L	200	20.03	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 95-63-6	1,2,4-Trimethylbenzene	120	J	ug/L	200	20.03	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 99-87-6	p-Isopropyltoluene	780		ug/L	200	25.48	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 106-46-7	1,4-Dichlorobenzene	250		ug/L	200	33.03	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 104-51-8	n-Butylbenzene	47	J	ug/L	500	27.81	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 91-20-3	Naphthalene	460	J	ug/L	500	56.04	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135				
NAL13026-1729	T1-052	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135	50	94%		
NAL13026-1729	T1-052	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135	50	96%		
NAL13026-1729	T1-052	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135	50	102%		
NAL13026-1729	T1-052	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5135	50	108%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103014CCVA	D103014CCVA	ORG 75-71-8	Dichlorodifluoromethane	44		ug/L	5	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	88%		
D103014CCVA	D103014CCVA	ORG 74-87-3	Chloromethane	40		ug/L	5	0.43	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	80%		
D103014CCVA	D103014CCVA	ORG 75-01-4	Vinyl chloride	51		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	102%		
D103014CCVA	D103014CCVA	ORG 74-83-9	Bromomethane	51		ug/L	5	0.50	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	102%		
D103014CCVA	D103014CCVA	ORG 75-00-3	Chloroethane	39		ug/L	5	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	78%		
D103014CCVA	D103014CCVA	ORG 75-69-4	Trichlorofluoromethane	150		ug/L	5	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	300%		
D103014CCVA	D103014CCVA	ORG 75-35-4	1,1-Dichloroethene	40		ug/L	1	0.47	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	80%		
D103014CCVA	D103014CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	90%		
D103014CCVA	D103014CCVA	ORG 67-64-1	Acetone	66		ug/L	10	1.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	132%		
D103014CCVA	D103014CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	94%		
D103014CCVA	D103014CCVA	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	106%		
D103014CCVA	D103014CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	90%		
D103014CCVA	D103014CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	108%		
D103014CCVA	D103014CCVA	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	96%		
D103014CCVA	D103014CCVA	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	92%		
D103014CCVA	D103014CCVA	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	98%		
D103014CCVA	D103014CCVA	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	100%		
D103014CCVA	D103014CCVA	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	100%		
D103014CCVA	D103014CCVA	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	98%		
D103014CCVA	D103014CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	90%		
D103014CCVA	D103014CCVA	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	100%		
D103014CCVA	D103014CCVA	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	98%		
D103014CCVA	D103014CCVA	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	100%		
D103014CCVA	D103014CCVA	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	92%		
D103014CCVA	D103014CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	108%		
D103014CCVA	D103014CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	92%		
D103014CCVA	D103014CCVA	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	108%		
D103014CCVA	D103014CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	112%		
D103014CCVA	D103014CCVA	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	94%		
D103014CCVA	D103014CCVA	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	90%		
D103014CCVA	D103014CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	100%		
D103014CCVA	D103014CCVA	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	102%		
D103014CCVA	D103014CCVA	ORG 591-78-6	2-Hexanone	47		ug/L	2	0.69	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	94%		
D103014CCVA	D103014CCVA	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	110%		
D103014CCVA	D103014CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	96%		
D103014CCVA	D103014CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	102%		
D103014CCVA	D103014CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	100	110%		
D103014CCVA	D103014CCVA	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	104%		
D103014CCVA	D103014CCVA	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	102%		
D103014CCVA	D103014CCVA	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	100%		
D103014CCVA	D103014CCVA	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	108%		
D103014CCVA	D103014CCVA	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	116%		
D103014CCVA	D103014CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	92%		

Confidential
D103014AKCF

D103014AKCF



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103014CCVA	D103014CCVA	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	90%		
D103014CCVA	D103014CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	104%		
D103014CCVA	D103014CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	106%		
D103014CCVA	D103014CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	104%		
D103014CCVA	D103014CCVA	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	108%		
D103014CCVA	D103014CCVA	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	108%		
D103014CCVA	D103014CCVA	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	106%		
D103014CCVA	D103014CCVA	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	98%		
D103014CCVA	D103014CCVA	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	106%		
D103014CCVA	D103014CCVA	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	104%		
D103014CCVA	D103014CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	50		ug/L	5	1.59	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	100%		
D103014CCVA	D103014CCVA	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	98%		
D103014CCVA	D103014CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	92%		
D103014CCVA	D103014CCVA	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	92%		
D103014CCVA	D103014CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	98%		
D103014CCVA	D103014CCVA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	96%		
D103014CCVA	D103014CCVA	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	88%		
D103014CCVA	D103014CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	94%		
D103014CCVA	D103014CCVA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5132	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103014MBKA	D103014MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103014MBKA	D103014MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134				
D103014MBKA	D103014MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134	50	94%		
D103014MBKA	D103014MBKA	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134	50	98%		
D103014MBKA	D103014MBKA	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134	50	100%		
D103014MBKA	D103014MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5134	50	110%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103014ALCS	D103014ALCS	ORG 75-71-8	Dichlorodifluoromethane	42		ug/L	5	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	84%		
D103014ALCS	D103014ALCS	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	82%		
D103014ALCS	D103014ALCS	ORG 75-01-4	Vinyl chloride	49		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	98%		
D103014ALCS	D103014ALCS	ORG 74-83-9	Bromomethane	47		ug/L	5	0.50	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	94%		
D103014ALCS	D103014ALCS	ORG 75-00-3	Chloroethane	37		ug/L	5	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	74%		
D103014ALCS	D103014ALCS	ORG 75-69-4	Trichlorofluoromethane	160		ug/L	5	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	320%		
D103014ALCS	D103014ALCS	ORG 75-35-4	1,1-Dichloroethene	44		ug/L	1	0.47	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	88%		
D103014ALCS	D103014ALCS	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	90%		
D103014ALCS	D103014ALCS	ORG 67-64-1	Acetone	83		ug/L	10	1.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	166%		
D103014ALCS	D103014ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	94%		
D103014ALCS	D103014ALCS	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	106%		
D103014ALCS	D103014ALCS	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	90%		
D103014ALCS	D103014ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	55		ug/L	1	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	110%		
D103014ALCS	D103014ALCS	ORG 74-97-5	Bromochloromethane	52		ug/L	10	0.41	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	104%		
D103014ALCS	D103014ALCS	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	92%		
D103014ALCS	D103014ALCS	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	98%		
D103014ALCS	D103014ALCS	ORG 78-93-3	2-Butanone	51		ug/L	1	0.81	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	102%		
D103014ALCS	D103014ALCS	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	102%		
D103014ALCS	D103014ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	98%		
D103014ALCS	D103014ALCS	ORG 107-06-2	1,2-Dichloroethane	46		ug/L	1	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	92%		
D103014ALCS	D103014ALCS	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	98%		
D103014ALCS	D103014ALCS	ORG 74-95-3	Dibromomethane	50		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	100%		
D103014ALCS	D103014ALCS	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	100%		
D103014ALCS	D103014ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	92%		
D103014ALCS	D103014ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	108%		
D103014ALCS	D103014ALCS	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	92%		
D103014ALCS	D103014ALCS	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	112%		
D103014ALCS	D103014ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	112%		
D103014ALCS	D103014ALCS	ORG 127-18-4	Tetrachloroethene	49		ug/L	1	0.49	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	98%		
D103014ALCS	D103014ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	92%		
D103014ALCS	D103014ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	102%		
D103014ALCS	D103014ALCS	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	104%		
D103014ALCS	D103014ALCS	ORG 591-78-6	2-Hexanone	51		ug/L	2	0.69	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	102%		
D103014ALCS	D103014ALCS	ORG 100-41-4	Ethylbenzene	56		ug/L	1	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	112%		
D103014ALCS	D103014ALCS	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	98%		
D103014ALCS	D103014ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	104%		
D103014ALCS	D103014ALCS	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	100	120%		
D103014ALCS	D103014ALCS	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	104%		
D103014ALCS	D103014ALCS	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	102%		
D103014ALCS	D103014ALCS	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	102%		
D103014ALCS	D103014ALCS	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	110%		
D103014ALCS	D103014ALCS	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	116%		
D103014ALCS	D103014ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	94%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103014ALCS	D103014ALCS	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	94%		
D103014ALCS	D103014ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	104%		
D103014ALCS	D103014ALCS	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	106%		
D103014ALCS	D103014ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	104%		
D103014ALCS	D103014ALCS	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	108%		
D103014ALCS	D103014ALCS	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	108%		
D103014ALCS	D103014ALCS	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	106%		
D103014ALCS	D103014ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	98%		
D103014ALCS	D103014ALCS	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	108%		
D103014ALCS	D103014ALCS	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	104%		
D103014ALCS	D103014ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	54		ug/L	5	1.59	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	108%		
D103014ALCS	D103014ALCS	ORG 87-68-3	Hexachlorobutadiene	51		ug/L	5	0.65	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	102%		
D103014ALCS	D103014ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	48		ug/L	5	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	96%		
D103014ALCS	D103014ALCS	ORG 91-20-3	Naphthalene	51		ug/L	5	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	102%		
D103014ALCS	D103014ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	52		ug/L	5	0.23	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	104%		
D103014ALCS	D103014ALCS	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	100%		
D103014ALCS	D103014ALCS	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	90%		
D103014ALCS	D103014ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	94%		
D103014ALCS	D103014ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5133	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103014ALCD	D103014ALCD	ORG 75-71-8	Dichlorodifluoromethane	41		ug/L	5	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	82%	2%	
D103014ALCD	D103014ALCD	ORG 74-87-3	Chloromethane	39		ug/L	5	0.43	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	78%	5%	
D103014ALCD	D103014ALCD	ORG 75-01-4	Vinyl chloride	50		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	100%	2%	
D103014ALCD	D103014ALCD	ORG 74-83-9	Bromomethane	55		ug/L	5	0.50	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	110%	16%	
D103014ALCD	D103014ALCD	ORG 75-00-3	Chloroethane	40		ug/L	5	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	80%	8%	
D103014ALCD	D103014ALCD	ORG 75-69-4	Trichlorofluoromethane	240		ug/L	5	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	480%	40%	
D103014ALCD	D103014ALCD	ORG 75-35-4	1,1-Dichloroethene	39		ug/L	1	0.47	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	78%	12%	
D103014ALCD	D103014ALCD	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	90%	0%	
D103014ALCD	D103014ALCD	ORG 67-64-1	Acetone	62		ug/L	10	1.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	124%	29%	
D103014ALCD	D103014ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	90%	4%	
D103014ALCD	D103014ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	98%	8%	
D103014ALCD	D103014ALCD	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	90%	0%	
D103014ALCD	D103014ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	104%	6%	
D103014ALCD	D103014ALCD	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	96%	8%	
D103014ALCD	D103014ALCD	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	92%	0%	
D103014ALCD	D103014ALCD	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	96%	2%	
D103014ALCD	D103014ALCD	ORG 78-93-3	2-Butanone	46		ug/L	1	0.81	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	92%	10%	
D103014ALCD	D103014ALCD	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	98%	4%	
D103014ALCD	D103014ALCD	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	100%	2%	
D103014ALCD	D103014ALCD	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	90%	2%	
D103014ALCD	D103014ALCD	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	98%	0%	
D103014ALCD	D103014ALCD	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	94%	6%	
D103014ALCD	D103014ALCD	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	102%	2%	
D103014ALCD	D103014ALCD	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	92%	0%	
D103014ALCD	D103014ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	108%	0%	
D103014ALCD	D103014ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	94%	2%	
D103014ALCD	D103014ALCD	ORG 108-10-1	4-Methyl-2-pentanone	50		ug/L	5	0.74	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	100%	11%	
D103014ALCD	D103014ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	108%	4%	
D103014ALCD	D103014ALCD	ORG 127-18-4	Tetrachloroethene	45		ug/L	1	0.49	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	90%	9%	
D103014ALCD	D103014ALCD	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	90%	2%	
D103014ALCD	D103014ALCD	ORG 124-48-1	Dibromochloromethane	48		ug/L	5	0.30	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	96%	6%	
D103014ALCD	D103014ALCD	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	98%	6%	
D103014ALCD	D103014ALCD	ORG 591-78-6	2-Hexanone	43		ug/L	2	0.69	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	86%	17%	
D103014ALCD	D103014ALCD	ORG 100-41-4	Ethylbenzene	57		ug/L	1	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	114%	2%	
D103014ALCD	D103014ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	98%	0%	
D103014ALCD	D103014ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	104%	0%	
D103014ALCD	D103014ALCD	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	100	120%	0%	
D103014ALCD	D103014ALCD	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	106%	2%	
D103014ALCD	D103014ALCD	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	104%	2%	
D103014ALCD	D103014ALCD	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	96%	6%	
D103014ALCD	D103014ALCD	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	108%	2%	
D103014ALCD	D103014ALCD	ORG 103-65-1	n-Propylbenzene	59		ug/L	2	0.27	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	118%	2%	
D103014ALCD	D103014ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	44		ug/L	2	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	88%	7%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103014ALCD	D103014ALCD	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	88%	7%	
D103014ALCD	D103014ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	104%	0%	
D103014ALCD	D103014ALCD	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	108%	2%	
D103014ALCD	D103014ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	106%	2%	
D103014ALCD	D103014ALCD	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	108%	0%	
D103014ALCD	D103014ALCD	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	106%	2%	
D103014ALCD	D103014ALCD	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	106%	0%	
D103014ALCD	D103014ALCD	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	98%	0%	
D103014ALCD	D103014ALCD	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	104%	4%	
D103014ALCD	D103014ALCD	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	108%	4%	
D103014ALCD	D103014ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	47		ug/L	5	1.59	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	94%	14%	
D103014ALCD	D103014ALCD	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	94%	8%	
D103014ALCD	D103014ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	88%	9%	
D103014ALCD	D103014ALCD	ORG 91-20-3	Naphthalene	43		ug/L	5	0.56	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	86%	17%	
D103014ALCD	D103014ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	47		ug/L	5	0.23	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	94%	10%	
D103014ALCD	D103014ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	98%	2%	
D103014ALCD	D103014ALCD	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	90%	0%	
D103014ALCD	D103014ALCD	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	96%	2%	
D103014ALCD	D103014ALCD	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	10/30/2014	10/30/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5137	50	104%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1729MS	T1-052	ORG 75-71-8	Dichlorodifluoromethane	4200		ug/L	500	29.28	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	84%		
NAL13026-1729MS	T1-052	ORG 74-87-3	Chloromethane	4200		ug/L	500	43.07	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	84%		
NAL13026-1729MS	T1-052	ORG 75-01-4	Vinyl chloride	5000		ug/L	200	31.86	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	100%		
NAL13026-1729MS	T1-052	ORG 74-83-9	Bromomethane	3600		ug/L	500	50.04	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	72%		
NAL13026-1729MS	T1-052	ORG 75-00-3	Chloroethane	3700		ug/L	500	55.61	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	74%		
NAL13026-1729MS	T1-052	ORG 75-69-4	Trichlorofluoromethane	6700		ug/L	500	19.65	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	134%		
NAL13026-1729MS	T1-052	ORG 75-35-4	1,1-Dichloroethene	3500		ug/L	100	47.11	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	70%		
NAL13026-1729MS	T1-052	ORG 75-09-2	Methylene chloride	4300		ug/L	500	26.46	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	86%		
NAL13026-1729MS	T1-052	ORG 67-64-1	Acetone	66000		ug/L	1000	155.61	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	-180%		75000
NAL13026-1729MS	T1-052	ORG 156-60-5	trans-1,2-Dichloroethene	4500		ug/L	100	55.61	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	90%		
NAL13026-1729MS	T1-052	ORG 1634-04-4	MTBE	5000		ug/L	500	61.18	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	100%		
NAL13026-1729MS	T1-052	ORG 75-34-3	1,1-Dichloroethane	4400		ug/L	100	52.66	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	88%		
NAL13026-1729MS	T1-052	ORG 156-59-2	cis-1,2-Dichloroethene	5200		ug/L	100	32.11	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	104%		
NAL13026-1729MS	T1-052	ORG 74-97-5	Bromochloromethane	4800		ug/L	1000	41.37	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	96%		
NAL13026-1729MS	T1-052	ORG 67-66-3	Chloroform	4500		ug/L	200	15.73	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	90%		
NAL13026-1729MS	T1-052	ORG 71-55-6	1,1,1-Trichloroethane	4700		ug/L	100	16.65	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	94%		
NAL13026-1729MS	T1-052	ORG 78-93-3	2-Butanone	16000		ug/L	100	81.18	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	120%		10000
NAL13026-1729MS	T1-052	ORG 56-23-5	Carbon tetrachloride	4900		ug/L	100	27.64	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	98%		
NAL13026-1729MS	T1-052	ORG 71-43-2	Benzene	4900		ug/L	100	13.53	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	98%		
NAL13026-1729MS	T1-052	ORG 107-06-2	1,2-Dichloroethane	4400		ug/L	100	20.01	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	88%		
NAL13026-1729MS	T1-052	ORG 79-01-6	Trichloroethene	4900		ug/L	100	36.33	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	98%		
NAL13026-1729MS	T1-052	ORG 74-95-3	Dibromomethane	5000		ug/L	200	32.20	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	100%		
NAL13026-1729MS	T1-052	ORG 78-87-5	1,2-Dichloropropane	5100		ug/L	100	18.17	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	102%		
NAL13026-1729MS	T1-052	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	92%		
NAL13026-1729MS	T1-052	ORG 10061-01-5	cis-1,3-Dichloropropene	5500		ug/L	100	25.01	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	110%		
NAL13026-1729MS	T1-052	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	92%		
NAL13026-1729MS	T1-052	ORG 108-10-1	4-Methyl-2-pentanone	5200		ug/L	500	74.00	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	100%		190
NAL13026-1729MS	T1-052	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	112%		
NAL13026-1729MS	T1-052	ORG 127-18-4	Tetrachloroethene	4800		ug/L	100	48.56	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	96%		
NAL13026-1729MS	T1-052	ORG 79-00-5	1,1,2-Trichloroethane	4400		ug/L	100	34.28	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	88%		
NAL13026-1729MS	T1-052	ORG 124-48-1	Dibromochloromethane	4900		ug/L	500	29.90	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	98%		
NAL13026-1729MS	T1-052	ORG 106-93-4	1,2-Dibromoethane	5000		ug/L	200	26.49	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	100%		
NAL13026-1729MS	T1-052	ORG 591-78-6	2-Hexanone	3400		ug/L	200	68.90	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	67%		61
NAL13026-1729MS	T1-052	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	108%		
NAL13026-1729MS	T1-052	ORG 108-90-7	Chlorobenzene	4700		ug/L	100	27.52	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	94%		
NAL13026-1729MS	T1-052	ORG 630-20-6	1,1,1,2-Tetrachloroethane	4900		ug/L	200	19.28	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	98%		
NAL13026-1729MS	T1-052	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	10000	110%		
NAL13026-1729MS	T1-052	ORG 95-47-6	o-Xylene	5200		ug/L	100	12.90	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	104%		
NAL13026-1729MS	T1-052	ORG 100-42-5	Styrene	5100		ug/L	100	20.23	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	102%		
NAL13026-1729MS	T1-052	ORG 75-25-2	Bromoform	4800		ug/L	200	46.83	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	96%		
NAL13026-1729MS	T1-052	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	108%		
NAL13026-1729MS	T1-052	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	114%		
NAL13026-1729MS	T1-052	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29.16	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	92%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1729MS	T1-052	ORG 96-18-4	1,2,3-Trichloropropane	4500		ug/L	200	29.47	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	90%		
NAL13026-1729MS	T1-052	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	101%		62
NAL13026-1729MS	T1-052	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	104%		
NAL13026-1729MS	T1-052	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	104%		120
NAL13026-1729MS	T1-052	ORG 135-98-8	sec-Butylbenzene	5400		ug/L	200	32.34	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	108%		
NAL13026-1729MS	T1-052	ORG 541-73-1	1,3-Dichlorobenzene	5400		ug/L	200	22.21	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	108%		
NAL13026-1729MS	T1-052	ORG 99-87-6	p-Isopropyltoluene	5700		ug/L	200	25.48	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	98%		780
NAL13026-1729MS	T1-052	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	97%		250
NAL13026-1729MS	T1-052	ORG 95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	108%		
NAL13026-1729MS	T1-052	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	107%		47
NAL13026-1729MS	T1-052	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5900		ug/L	500	159.11	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	118%		
NAL13026-1729MS	T1-052	ORG 87-68-3	Hexachlorobutadiene	5000		ug/L	500	65.42	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	100%		
NAL13026-1729MS	T1-052	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	98%		
NAL13026-1729MS	T1-052	ORG 91-20-3	Naphthalene	5700		ug/L	500	56.04	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	105%		460
NAL13026-1729MS	T1-052	ORG 87-61-6	1,2,3-Trichlorobenzene	5100		ug/L	500	23.28	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	5000	102%		
NAL13026-1729MS	T1-052	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	50	96%		
NAL13026-1729MS	T1-052	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	50	90%		
NAL13026-1729MS	T1-052	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	50	96%		
NAL13026-1729MS	T1-052	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5138	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Table with 23 columns: Lab ID, Sample ID, CAS #, ANALYTES, Results, QC, Units, RDL, MDL, Sample Date, Prep. Date, Analysis Date, Matrix, Dil., Weight(g), Vol.(ml), % Solid, Method, Data file, Spike, % Rec, % RPD, Parent. Contains 40 rows of analytical data for various compounds like Dichlorodifluoromethane, Chloromethane, Vinyl chloride, etc.



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1729MSD	T1-052	ORG 96-18-4	1,2,3-Trichloropropane	4500		ug/L	200	29.47	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	90%	0%	
NAL13026-1729MSD	T1-052	ORG 108-67-8	1,3,5-Trimethylbenzene	5200		ug/L	200	20.03	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	103%	2%	62
NAL13026-1729MSD	T1-052	ORG 98-06-6	tert-Butylbenzene	5300		ug/L	200	32.61	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	106%	2%	
NAL13026-1729MSD	T1-052	ORG 95-63-6	1,2,4-Trimethylbenzene	5400		ug/L	200	20.03	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	106%	2%	120
NAL13026-1729MSD	T1-052	ORG 135-98-8	sec-Butylbenzene	5500		ug/L	200	32.34	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	110%	2%	
NAL13026-1729MSD	T1-052	ORG 541-73-1	1,3-Dichlorobenzene	5400		ug/L	200	22.21	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	108%	0%	
NAL13026-1729MSD	T1-052	ORG 99-87-6	p-Isopropyltoluene	5800		ug/L	200	25.48	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	100%	2%	780
NAL13026-1729MSD	T1-052	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	97%	0%	250
NAL13026-1729MSD	T1-052	ORG 95-50-1	1,2-Dichlorobenzene	5500		ug/L	200	26.38	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	110%	2%	
NAL13026-1729MSD	T1-052	ORG 104-51-8	n-Butylbenzene	5500		ug/L	500	27.81	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	109%	2%	47
NAL13026-1729MSD	T1-052	ORG 96-12-8	1,2-Dibromo-3-chloropropane	5700		ug/L	500	159.11	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	114%	3%	
NAL13026-1729MSD	T1-052	ORG 87-68-3	Hexachlorobutadiene	5100		ug/L	500	65.42	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	102%	2%	
NAL13026-1729MSD	T1-052	ORG 120-82-1	1,2,4-Trichlorobenzene	5100		ug/L	500	27.63	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	102%	4%	
NAL13026-1729MSD	T1-052	ORG 91-20-3	Naphthalene	5800		ug/L	500	56.04	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	107%	2%	460
NAL13026-1729MSD	T1-052	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	5000	104%	2%	
NAL13026-1729MSD	T1-052	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	50	98%	2%	
NAL13026-1729MSD	T1-052	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	50	90%	0%	
NAL13026-1729MSD	T1-052	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	50	94%	2%	
NAL13026-1729MSD	T1-052	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/30/2014	10/30/2014	10/30/2014	WG	100	NA	5.0	NA	SW8260B	NALD5139	50	108%	4%	

November 03, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101


RE: Project: BRIDGETON LF T1-047
Pace Project No.: 60181268

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 27, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60181268001	T1-047	Water	10/25/14 15:45	10/27/14 13:10
60181268002	TRIP BLANK	Water	10/25/14 15:45	10/27/14 13:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60181268001	T1-047	EPA 200.7	JGP	15
		EPA 200.7	SMW	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60181268002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

PROJECT NARRATIVE

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

Date: November 03, 2014

The sample volume received for volatile analysis for leachate sample T1-047 contained head space presence greater than 6mm. Per historical instructions, the analysis is completed and the presence noted.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

Sample: T1-047		Lab ID: 60181268001	Collected: 10/25/14 15:45	Received: 10/27/14 13:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	2370	ug/L	375	1	10/29/14 09:30	10/29/14 18:50	7429-90-5	
Antimony	ND	ug/L	50.0	1	10/29/14 09:30	10/29/14 18:50	7440-36-0	
Arsenic	261	ug/L	50.0	1	10/29/14 09:30	10/29/14 18:50	7440-38-2	
Beryllium	ND	ug/L	5.0	1	10/29/14 09:30	10/29/14 18:50	7440-41-7	
Cadmium	ND	ug/L	25.0	1	10/29/14 09:30	10/29/14 18:50	7440-43-9	
Chromium	81.0	ug/L	25.0	1	10/29/14 09:30	10/29/14 18:50	7440-47-3	
Cobalt	ND	ug/L	25.0	1	10/29/14 09:30	10/29/14 18:50	7440-48-4	
Copper	ND	ug/L	50.0	1	10/29/14 09:30	10/29/14 18:50	7440-50-8	
Iron	104000	ug/L	250	1	10/29/14 09:30	10/29/14 18:50	7439-89-6	
Lead	31.8	ug/L	25.0	1	10/29/14 09:30	10/29/14 18:50	7439-92-1	
Nickel	59.5	ug/L	25.0	1	10/29/14 09:30	10/29/14 18:50	7440-02-0	
Selenium	ND	ug/L	75.0	1	10/29/14 09:30	10/29/14 18:50	7782-49-2	
Silver	ND	ug/L	35.0	1	10/29/14 09:30	10/29/14 18:50	7440-22-4	
Thallium	ND	ug/L	100	1	10/29/14 09:30	10/29/14 18:50	7440-28-0	
Zinc	1510	ug/L	250	1	10/29/14 09:30	10/29/14 18:50	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND	ug/L	375	1	10/29/14 15:00	11/02/14 12:50	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	10/29/14 15:00	11/02/14 12:50	7440-36-0	
Arsenic, Dissolved	192	ug/L	50.0	1	10/29/14 15:00	11/02/14 12:50	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	10/29/14 15:00	11/02/14 12:50	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	10/29/14 15:00	11/02/14 12:50	7440-43-9	
Chromium, Dissolved	60.3	ug/L	25.0	1	10/29/14 15:00	11/02/14 12:50	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	10/29/14 15:00	11/02/14 12:50	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	10/29/14 15:00	11/02/14 12:50	7440-50-8	
Iron, Dissolved	50100	ug/L	250	1	10/29/14 15:00	11/02/14 12:50	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	10/29/14 15:00	11/02/14 12:50	7439-92-1	
Nickel, Dissolved	51.6	ug/L	25.0	1	10/29/14 15:00	11/02/14 12:50	7440-02-0	
Selenium, Dissolved	ND	ug/L	75.0	1	10/29/14 15:00	11/02/14 12:50	7782-49-2	
Silver, Dissolved	ND	ug/L	35.0	1	10/29/14 15:00	11/02/14 12:50	7440-22-4	
Thallium, Dissolved	ND	ug/L	100	1	10/29/14 15:00	11/02/14 12:50	7440-28-0	
Zinc, Dissolved	ND	ug/L	250	1	10/29/14 15:00	11/02/14 12:50	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	6.0	1	10/29/14 09:35	10/29/14 13:39	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	10/30/14 08:45	10/30/14 13:21	7439-97-6	M1
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	2500	1	10/30/14 00:00	10/31/14 09:59	534-52-1	
Hexachloro-1,3-butadiene	ND	ug/L	500	1	10/30/14 00:00	10/31/14 09:59	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	500	1	10/30/14 00:00	10/31/14 09:59	77-47-4	
Hexachloroethane	ND	ug/L	500	1	10/30/14 00:00	10/31/14 09:59	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1000	1	10/30/14 00:00	10/31/14 09:59	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND	ug/L	2000	1	10/30/14 00:00	10/31/14 09:59		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

Sample: T1-047	Lab ID: 60181268001	Collected: 10/25/14 15:45	Received: 10/27/14 13:10	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/30/14 00:00	10/31/14 09:59	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/30/14 00:00	10/31/14 09:59	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/30/14 00:00	10/31/14 09:59	87-86-5	L3
Phenol	2130 ug/L		500	1	10/30/14 00:00	10/31/14 09:59	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/30/14 00:00	10/31/14 09:59	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/30/14 00:00	10/31/14 09:59	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	96 %		33-120	1	10/30/14 00:00	10/31/14 09:59	4165-60-0	
2-Fluorobiphenyl (S)	92 %		39-120	1	10/30/14 00:00	10/31/14 09:59	321-60-8	
Terphenyl-d14 (S)	95 %		45-120	1	10/30/14 00:00	10/31/14 09:59	1718-51-0	
Phenol-d6 (S)	35 %		11-120	1	10/30/14 00:00	10/31/14 09:59	13127-88-3	
2-Fluorophenol (S)	49 %		17-120	1	10/30/14 00:00	10/31/14 09:59	367-12-4	
2,4,6-Tribromophenol (S)	100 %		39-120	1	10/30/14 00:00	10/31/14 09:59	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	50000 ug/L		1000	100		10/30/14 06:48	67-64-1	N2
Benzene	ND ug/L		100	100		10/30/14 06:48	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/30/14 06:48	75-27-4	
Bromoform	ND ug/L		100	100		10/30/14 06:48	75-25-2	
Bromomethane	ND ug/L		500	100		10/30/14 06:48	74-83-9	
2-Butanone (MEK)	20300 ug/L		1000	100		10/30/14 06:48	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/30/14 06:48	56-23-5	
Chloroethane	ND ug/L		100	100		10/30/14 06:48	75-00-3	
Chloroform	ND ug/L		100	100		10/30/14 06:48	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/30/14 06:48	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/30/14 06:48	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/30/14 06:48	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/30/14 06:48	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/30/14 06:48	100-41-4	
Methylene chloride	ND ug/L		100	100		10/30/14 06:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/30/14 06:48	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/30/14 06:48	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/30/14 06:48	127-18-4	
Toluene	ND ug/L		100	100		10/30/14 06:48	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/30/14 06:48	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/30/14 06:48	79-00-5	
Trichloroethene	ND ug/L		100	100		10/30/14 06:48	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/30/14 06:48	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/30/14 06:48	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	97 %		80-120	100		10/30/14 06:48	460-00-4	HS
Toluene-d8 (S)	101 %		80-120	100		10/30/14 06:48	2037-26-5	
1,2-Dichloroethane-d4 (S)	103 %		80-120	100		10/30/14 06:48	17060-07-0	
Preservation pH	6.0		1.0	100		10/30/14 06:48		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	46.4 mg/L		5.0	1		10/29/14 09:45		M1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

Sample: T1-047		Lab ID: 60181268001	Collected: 10/25/14 15:45	Received: 10/27/14 13:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	8.4	mg/L	5.0	1		10/29/14 13:21		M1
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3920	mg/L	5.0	1		10/31/14 10:40		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.4	Std. Units	0.10	1		10/30/14 18:00		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	5700	mg/L	2.0	1	10/27/14 15:30	11/01/14 12:33		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	54.9	mg/L	5.0	50		10/29/14 15:15	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	15100	mg/L	2500	250		10/29/14 14:25		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

Sample: TRIP BLANK		Lab ID: 60181268002	Collected: 10/25/14 15:45	Received: 10/27/14 13:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/30/14 05:51	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/30/14 05:51	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/30/14 05:51	75-27-4	
Bromoform	ND ug/L		1.0	1		10/30/14 05:51	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/30/14 05:51	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/30/14 05:51	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/30/14 05:51	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/30/14 05:51	75-00-3	
Chloroform	ND ug/L		1.0	1		10/30/14 05:51	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/30/14 05:51	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/30/14 05:51	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/30/14 05:51	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/30/14 05:51	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/30/14 05:51	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/30/14 05:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/30/14 05:51	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/30/14 05:51	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/30/14 05:51	127-18-4	
Toluene	ND ug/L		1.0	1		10/30/14 05:51	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/30/14 05:51	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/30/14 05:51	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/30/14 05:51	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/30/14 05:51	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/30/14 05:51	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	99 %		80-120	1		10/30/14 05:51	460-00-4	
Toluene-d8 (S)	97 %		80-120	1		10/30/14 05:51	2037-26-5	
1,2-Dichloroethane-d4 (S)	105 %		80-120	1		10/30/14 05:51	17060-07-0	
Preservation pH	6.0		1.0	1		10/30/14 05:51		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch: MERP/8978 Analysis Method: EPA 245.1
 QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
 Associated Lab Samples: 60181268001

METHOD BLANK: 1468959 Matrix: Water

Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/29/14 13:35	

LABORATORY CONTROL SAMPLE: 1468960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.3	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468961 1468962

Parameter	Units	60181268001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Mercury	ug/L	ND	150	150	92.4	86.4	59	55	70-130	7	20	M1

MATRIX SPIKE SAMPLE: 1468963

Parameter	Units	60181253001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.6	92	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch:	MERP/8985	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60181268001		

METHOD BLANK: 1469599 Matrix: Water
Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/30/14 13:16	

LABORATORY CONTROL SAMPLE: 1469600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1469601 1469602

Parameter	Units	60181268001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	150	150	114	97.8	76	65	70-130	16	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch:	MPRP/29538	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	60181268001		

METHOD BLANK: 1469202 Matrix: Water

Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/29/14 17:43	
Antimony	ug/L	ND	10.0	10/29/14 17:43	
Arsenic	ug/L	ND	10.0	10/29/14 17:43	
Beryllium	ug/L	ND	1.0	10/29/14 17:43	
Cadmium	ug/L	ND	5.0	10/29/14 17:43	
Chromium	ug/L	ND	5.0	10/29/14 17:43	
Cobalt	ug/L	ND	5.0	10/29/14 17:43	
Copper	ug/L	ND	10.0	10/29/14 17:43	
Iron	ug/L	ND	50.0	10/29/14 17:43	
Lead	ug/L	ND	5.0	10/29/14 17:43	
Nickel	ug/L	ND	5.0	10/29/14 17:43	
Selenium	ug/L	ND	15.0	10/29/14 17:43	
Silver	ug/L	ND	7.0	10/29/14 17:43	
Thallium	ug/L	ND	20.0	10/29/14 17:43	
Zinc	ug/L	ND	50.0	10/29/14 17:43	

LABORATORY CONTROL SAMPLE: 1469203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	85-115	
Antimony	ug/L	1000	1030	103	85-115	
Arsenic	ug/L	1000	984	98	85-115	
Beryllium	ug/L	1000	1010	101	85-115	
Cadmium	ug/L	1000	1020	102	85-115	
Chromium	ug/L	1000	1010	101	85-115	
Cobalt	ug/L	1000	1040	104	85-115	
Copper	ug/L	1000	1020	102	85-115	
Iron	ug/L	10000	9870	99	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1030	103	85-115	
Selenium	ug/L	1000	998	100	85-115	
Silver	ug/L	500	504	101	85-115	
Thallium	ug/L	1000	1020	102	85-115	
Zinc	ug/L	1000	996	100	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1469204												1469205											
Parameter	Units	60180968001 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual									
			Spike Conc.	MS Conc.	Spike Conc.	MSD Conc.																	
Aluminum	ug/L	4950	50000	50000	57800	57500	106	105	70-130	0	8												
Antimony	ug/L	ND	5000	5000	5330	5330	106	106	70-130	0	7												
Arsenic	ug/L	409	5000	5000	5720	5690	106	106	70-130	1	10												
Beryllium	ug/L	ND	5000	5000	5080	5040	102	101	70-130	1	7												
Cadmium	ug/L	ND	5000	5000	5270	5250	105	105	70-130	0	10												
Chromium	ug/L	122	5000	5000	5240	5200	102	102	70-130	1	10												
Cobalt	ug/L	ND	5000	5000	5090	5070	101	101	70-130	0	6												
Copper	ug/L	ND	5000	5000	5200	5180	104	103	70-130	0	11												
Iron	ug/L	302000	50000	50000	351000	346000	99	89	70-130	1	10												
Lead	ug/L	74.4	5000	5000	4830	4800	95	94	70-130	1	10												
Nickel	ug/L	69.8	5000	5000	5080	5050	100	100	70-130	1	10												
Selenium	ug/L	ND	5000	5000	5340	5330	107	107	70-130	0	10												
Silver	ug/L	ND	2500	2500	2680	2670	107	107	70-130	1	10												
Thallium	ug/L	ND	5000	5000	4590	4590	91	91	70-130	0	6												
Zinc	ug/L	3010	5000	5000	7910	7840	98	97	70-130	1	11												

MATRIX SPIKE SAMPLE: 1469206											
Parameter	Units	60180755002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	ND	10000
Antimony	ug/L	ND	1000	1050	105	70-130					
Arsenic	ug/L	ND	1000	1030	103	70-130					
Beryllium	ug/L	ND	1000	1020	102	70-130					
Cadmium	ug/L	ND	1000	1020	102	70-130					
Chromium	ug/L	ND	1000	1020	102	70-130					
Cobalt	ug/L	ND	1000	1020	102	70-130					
Copper	ug/L	ND	1000	1020	102	70-130					
Iron	ug/L	109	10000	9870	98	70-130					
Lead	ug/L	ND	1000	979	98	70-130					
Nickel	ug/L	ND	1000	1020	101	70-130					
Selenium	ug/L	ND	1000	1020	102	70-130					
Silver	ug/L	ND	500	515	103	70-130					
Thallium	ug/L	ND	1000	960	96	70-130					
Zinc	ug/L	ND	1000	1010	99	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch: MPRP/29554

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60181268001

METHOD BLANK: 1469448

Matrix: Water

Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	11/02/14 12:45	
Antimony, Dissolved	ug/L	ND	10.0	11/02/14 12:45	
Arsenic, Dissolved	ug/L	ND	10.0	11/02/14 12:45	
Beryllium, Dissolved	ug/L	ND	1.0	11/02/14 12:45	
Cadmium, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Chromium, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Cobalt, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Copper, Dissolved	ug/L	ND	10.0	11/02/14 12:45	
Iron, Dissolved	ug/L	ND	50.0	11/02/14 12:45	
Lead, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Nickel, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Selenium, Dissolved	ug/L	ND	15.0	11/02/14 12:45	
Silver, Dissolved	ug/L	ND	7.0	11/02/14 12:45	
Thallium, Dissolved	ug/L	ND	20.0	11/02/14 12:45	
Zinc, Dissolved	ug/L	ND	50.0	11/02/14 12:45	

LABORATORY CONTROL SAMPLE: 1469449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9740	97	85-115	
Antimony, Dissolved	ug/L	1000	977	98	85-115	
Arsenic, Dissolved	ug/L	1000	944	94	85-115	
Beryllium, Dissolved	ug/L	1000	984	98	85-115	
Cadmium, Dissolved	ug/L	1000	966	97	85-115	
Chromium, Dissolved	ug/L	1000	975	97	85-115	
Cobalt, Dissolved	ug/L	1000	995	100	85-115	
Copper, Dissolved	ug/L	1000	958	96	85-115	
Iron, Dissolved	ug/L	10000	9870	99	85-115	
Lead, Dissolved	ug/L	1000	991	99	85-115	
Nickel, Dissolved	ug/L	1000	1000	100	85-115	
Selenium, Dissolved	ug/L	1000	954	95	85-115	
Silver, Dissolved	ug/L	500	482	96	85-115	
Thallium, Dissolved	ug/L	1000	987	99	85-115	
Zinc, Dissolved	ug/L	1000	981	98	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1469450		1469451									
Parameter	Units	60181268001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
		Result	Spike	Spike	Result	Result	% Rec	% Rec	Limits				
Aluminum, Dissolved	ug/L	ND	50000	50000	49700	50000	99	100	70-130	1	20		
Antimony, Dissolved	ug/L	ND	5000	5000	5190	5200	104	104	70-130	0	20		
Arsenic, Dissolved	ug/L	192	5000	5000	5290	5280	102	102	70-130	0	20		
Beryllium, Dissolved	ug/L	ND	5000	5000	4910	4940	98	99	70-130	1	20		
Cadmium, Dissolved	ug/L	ND	5000	5000	5060	5080	101	101	70-130	0	20		
Chromium, Dissolved	ug/L	60.3	5000	5000	4890	4940	97	98	70-130	1	20		
Cobalt, Dissolved	ug/L	ND	5000	5000	4930	4940	98	99	70-130	0	20		
Copper, Dissolved	ug/L	ND	5000	5000	5060	5080	101	102	70-130	0	20		
Iron, Dissolved	ug/L	50100	50000	50000	91400	91500	83	83	70-130	0	20		
Lead, Dissolved	ug/L	ND	5000	5000	4790	4780	96	96	70-130	0	20		
Nickel, Dissolved	ug/L	51.6	5000	5000	4920	4910	97	97	70-130	0	20		
Selenium, Dissolved	ug/L	ND	5000	5000	5180	5180	104	104	70-130	0	20		
Silver, Dissolved	ug/L	ND	2500	2500	2540	2540	101	102	70-130	0	20		
Thallium, Dissolved	ug/L	ND	5000	5000	4600	4590	92	92	70-130	0	20		
Zinc, Dissolved	ug/L	ND	5000	5000	4970	4960	96	96	70-130	0	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch: MSV/65420 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60181268001, 60181268002

METHOD BLANK: 1469525 Matrix: Water

Associated Lab Samples: 60181268001, 60181268002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/30/14 05:37	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,2-Dichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/30/14 05:37	
2-Butanone (MEK)	ug/L	ND	10.0	10/30/14 05:37	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/30/14 05:37	N2
Acetone	ug/L	ND	10.0	10/30/14 05:37	N2
Benzene	ug/L	ND	1.0	10/30/14 05:37	
Bromodichloromethane	ug/L	ND	1.0	10/30/14 05:37	
Bromoform	ug/L	ND	1.0	10/30/14 05:37	
Bromomethane	ug/L	ND	5.0	10/30/14 05:37	
Carbon tetrachloride	ug/L	ND	1.0	10/30/14 05:37	
Chloroethane	ug/L	ND	1.0	10/30/14 05:37	
Chloroform	ug/L	ND	1.0	10/30/14 05:37	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/30/14 05:37	N2
Ethylbenzene	ug/L	ND	1.0	10/30/14 05:37	
Methylene chloride	ug/L	ND	1.0	10/30/14 05:37	
Tetrachloroethene	ug/L	ND	1.0	10/30/14 05:37	
Toluene	ug/L	ND	1.0	10/30/14 05:37	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/30/14 05:37	
Trichloroethene	ug/L	ND	1.0	10/30/14 05:37	
Vinyl chloride	ug/L	ND	1.0	10/30/14 05:37	
Xylene (Total)	ug/L	ND	3.0	10/30/14 05:37	N2
1,2-Dichloroethane-d4 (S)	%	105	80-120	10/30/14 05:37	
4-Bromofluorobenzene (S)	%	96	80-120	10/30/14 05:37	
Toluene-d8 (S)	%	99	80-120	10/30/14 05:37	

LABORATORY CONTROL SAMPLE: 1469526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.3	102	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	17.6	88	67-127	N2
1,1,2-Trichloroethane	ug/L	20	19.9	100	67-124	
1,2-Dichloroethane	ug/L	20	19.9	100	70-126	
1,4-Dichlorobenzene	ug/L	20	19.1	95	74-120	
2-Butanone (MEK)	ug/L	100	94.9	95	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.4	99	59-131	N2
Acetone	ug/L	100	92.8	93	38-134	N2
Benzene	ug/L	20	20.1	100	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

LABORATORY CONTROL SAMPLE: 1469526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.0	105	68-125	
Bromoform	ug/L	20	20.1	101	65-127	
Bromomethane	ug/L	20	11.8	59	13-157	
Carbon tetrachloride	ug/L	20	20.3	101	70-131	
Chloroethane	ug/L	20	18.0	90	47-133	
Chloroform	ug/L	20	21.3	106	65-127	
cis-1,2-Dichloroethene	ug/L	20	22.3	111	68-127	N2
Ethylbenzene	ug/L	20	21.3	107	74-122	
Methylene chloride	ug/L	20	19.3	97	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	20.0	100	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.3	101	66-129	
Trichloroethene	ug/L	20	20.7	104	71-123	
Vinyl chloride	ug/L	20	13.8	69	43-129	
Xylene (Total)	ug/L	60	67.1	112	75-121	N2
1,2-Dichloroethane-d4 (S)	%			102	80-120	
4-Bromofluorobenzene (S)	%			97	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1469527

Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2170	108	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	1810	91	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	1940	97	52-143	
1,2-Dichloroethane	ug/L	ND	2000	1990	99	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	1900	95	33-140	
2-Butanone (MEK)	ug/L	20300	10000	29300	90	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	8860	87	40-160	N2
Acetone	ug/L	50000	10000	58300	83	10-160	N2
Benzene	ug/L	ND	2000	2050	101	37-151	
Bromodichloromethane	ug/L	ND	2000	2040	102	35-142	
Bromoform	ug/L	ND	2000	1900	95	45-142	
Bromomethane	ug/L	ND	2000	1390	70	10-158	
Carbon tetrachloride	ug/L	ND	2000	2270	114	70-140	
Chloroethane	ug/L	ND	2000	1710	86	19-152	
Chloroform	ug/L	ND	2000	2160	108	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2220	111	34-147	N2
Ethylbenzene	ug/L	ND	2000	2100	105	40-142	
Methylene chloride	ug/L	ND	2000	1920	94	31-144	
Tetrachloroethene	ug/L	ND	2000	2130	106	64-148	
Toluene	ug/L	ND	2000	2050	100	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	2200	110	54-151	
Trichloroethene	ug/L	ND	2000	2050	102	71-149	
Vinyl chloride	ug/L	ND	2000	1630	82	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

MATRIX SPIKE SAMPLE: 1469527		60181268001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6590	110	37-144	N2
1,2-Dichloroethane-d4 (S)	%				102	80-120	
4-Bromofluorobenzene (S)	%				98	80-120	HS
Toluene-d8 (S)	%				99	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch:	OEXT/46905	Analysis Method:	EPA 625
QC Batch Method:	EPA 625	Analysis Description:	625 MSS
Associated Lab Samples:	60181268001		

METHOD BLANK: 1469904 Matrix: Water

Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/31/14 08:56	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/31/14 08:56	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/31/14 08:56	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/31/14 08:56	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/31/14 08:56	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/31/14 08:56	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/31/14 08:56	
Hexachloroethane	ug/L	ND	5.0	10/31/14 08:56	
Naphthalene	ug/L	ND	5.0	10/31/14 08:56	
Nitrobenzene	ug/L	ND	5.0	10/31/14 08:56	
Pentachlorophenol	ug/L	ND	5.0	10/31/14 08:56	
Phenol	ug/L	ND	5.0	10/31/14 08:56	
2,4,6-Tribromophenol (S)	%	91	39-120	10/31/14 08:56	
2-Fluorobiphenyl (S)	%	92	39-120	10/31/14 08:56	
2-Fluorophenol (S)	%	50	17-120	10/31/14 08:56	
Nitrobenzene-d5 (S)	%	90	33-120	10/31/14 08:56	
Phenol-d6 (S)	%	31	11-120	10/31/14 08:56	
Terphenyl-d14 (S)	%	96	45-120	10/31/14 08:56	

LABORATORY CONTROL SAMPLE: 1469905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	45.1	90	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.1	98	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	36.2	72	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.4	67	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	53.5	107	40-133	
Hexachloro-1,3-butadiene	ug/L	50	44.4	89	44-116	
Hexachlorocyclopentadiene	ug/L	100	51.7	52	24-120	
Hexachloroethane	ug/L	50	41.9	84	43-113	
Naphthalene	ug/L	50	45.3	91	48-120	
Nitrobenzene	ug/L	50	46.4	93	48-120	
Pentachlorophenol	ug/L	50	72.4	145	47-120	L0
Phenol	ug/L	50	21.2	42	16-112	
2,4,6-Tribromophenol (S)	%			100	39-120	
2-Fluorobiphenyl (S)	%			98	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			91	33-120	
Phenol-d6 (S)	%			33	11-120	
Terphenyl-d14 (S)	%			98	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

MATRIX SPIKE SAMPLE:		1469906					
Parameter	Units	60181125002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	42.2	84	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	43.9	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.5	63	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	29.8	60	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	42.7	85	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	43.1	86	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	49.8	50	11-120	
Hexachloroethane	ug/L	ND	50	38.5	77	40-113	
Naphthalene	ug/L	ND	50	42.2	84	45-120	
Nitrobenzene	ug/L	ND	50	42.5	85	38-120	
Pentachlorophenol	ug/L	ND	50	63.3	127	43-135	
Phenol	ug/L	ND	50	15.8	32	13-112	
2,4,6-Tribromophenol (S)	%				88	39-120	
2-Fluorobiphenyl (S)	%				87	39-120	
2-Fluorophenol (S)	%				41	17-120	
Nitrobenzene-d5 (S)	%				82	33-120	
Phenol-d6 (S)	%				28	11-120	
Terphenyl-d14 (S)	%				92	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch:	WET/51218	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60181268001		

METHOD BLANK: 1469173 Matrix: Water

Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/29/14 09:45	

LABORATORY CONTROL SAMPLE: 1469174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.6	99	78-114	

MATRIX SPIKE SAMPLE: 1469175

Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	46.4	160	112	41	78-114	M1

SAMPLE DUPLICATE: 1469176

Parameter	Units	60181273001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	59.1	57.0	4	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch:	WET/51219	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60181268001		

METHOD BLANK: 1469177 Matrix: Water
Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/29/14 13:21	

LABORATORY CONTROL SAMPLE: 1469178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.2	116	64-132	

MATRIX SPIKE SAMPLE: 1469179

Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	8.4	80	58.0	62	64-132	M1

SAMPLE DUPLICATE: 1469180

Parameter	Units	60181273001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	8.6	8.0	8	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch:	WET/51289	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60181268001		

METHOD BLANK: 1470811 Matrix: Water

Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/31/14 10:37	

SAMPLE DUPLICATE: 1470812

Parameter	Units	60181386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	52.0	48.0	8	10	

SAMPLE DUPLICATE: 1470813

Parameter	Units	60181332001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch: WET/51282 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60181268001

SAMPLE DUPLICATE: 1470690

Parameter	Units	60181268001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.3	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch: WET/51171

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60181268001

METHOD BLANK: 1468387

Matrix: Water

Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	11/01/14 12:25	

LABORATORY CONTROL SAMPLE: 1468388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	172	87	85-115	

SAMPLE DUPLICATE: 1468389

Parameter	Units	60181268001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	5700	5200	9	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch: WETA/31568 Analysis Method: EPA 350.1
 QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
 Associated Lab Samples: 60181268001

METHOD BLANK: 1469278 Matrix: Water

Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/29/14 15:10	

LABORATORY CONTROL SAMPLE: 1469279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 1469280

Parameter	Units	60181130001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.7	85	90-110	M1

MATRIX SPIKE SAMPLE: 1469281

Parameter	Units	60181062002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	90	90-110	

SAMPLE DUPLICATE: 1469282

Parameter	Units	60181146004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.065J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

QC Batch:	WETA/31543	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60181268001		

METHOD BLANK: 1468469 Matrix: Water
Associated Lab Samples: 60181268001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/29/14 14:12	

LABORATORY CONTROL SAMPLE: 1468470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.2	102	90-110	

MATRIX SPIKE SAMPLE: 1468471

Parameter	Units	60180811002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	11100	5000	16600	110	90-110	

MATRIX SPIKE SAMPLE: 1468473

Parameter	Units	60180823001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	81.1	50	121	79	90-110	M1

SAMPLE DUPLICATE: 1468472

Parameter	Units	60180813001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	114	117	3	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-047

Pace Project No.: 60181268

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60181268001	T1-047	EPA 200.7	MPRP/29538	EPA 200.7	ICP/22171
60181268001	T1-047	EPA 200.7	MPRP/29554	EPA 200.7	ICP/22181
60181268001	T1-047	EPA 245.1	MERP/8978	EPA 245.1	MERC/8933
60181268001	T1-047	EPA 245.1	MERP/8985	EPA 245.1	MERC/8939
60181268001	T1-047	EPA 625	OEXT/46905	EPA 625	MSSV/15097
60181268001	T1-047	EPA 624 Low	MSV/65420		
60181268002	TRIP BLANK	EPA 624 Low	MSV/65420		
60181268001	T1-047	EPA 1664A	WET/51218		
60181268001	T1-047	EPA 1664A	WET/51219		
60181268001	T1-047	SM 2540D	WET/51289		
60181268001	T1-047	SM 4500-H+B	WET/51282		
60181268001	T1-047	SM 5210B	WET/51171	SM 5210B	WET/51308
60181268001	T1-047	EPA 350.1	WETA/31568		
60181268001	T1-047	EPA 410.4	WETA/31543		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO# : 60181268

 60181268

Client Name: Republic Barr Eng

Courier: Fed Ex UPS USPS Client Commercial Pace Other X Roads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 3.2

Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: JWS 12/19

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>water</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. <u>BFSN + BFS not able to be preserved.</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: <u>JWS</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative:
Pace Trip Blank lot # (if purchased): <u>watered</u>		15.
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16. <u>head space in all sample vials 5035 - Apply comment</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y N Field Data Required? Y N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 12/19/12

November 03, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

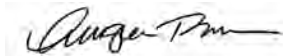
RE: Project: BRIDGETON LF T1-049
Pace Project No.: 60181273

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 27, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60181273001	T1-049	Water	10/27/14 08:00	10/27/14 13:10
60181273002	TRIP BLANK	Water	10/27/14 08:00	10/27/14 13:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60181273001	T1-049	EPA 200.7	JGP	15
		EPA 200.7	SMW	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60181273002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

Sample: T1-049	Lab ID: 60181273001	Collected: 10/27/14 08:00	Received: 10/27/14 13:10	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	1610 ug/L		375	1	10/29/14 09:30	10/29/14 19:01	7429-90-5	
Antimony	ND ug/L		50.0	1	10/29/14 09:30	10/29/14 19:01	7440-36-0	
Arsenic	255 ug/L		50.0	1	10/29/14 09:30	10/29/14 19:01	7440-38-2	
Beryllium	ND ug/L		5.0	1	10/29/14 09:30	10/29/14 19:01	7440-41-7	
Cadmium	ND ug/L		25.0	1	10/29/14 09:30	10/29/14 19:01	7440-43-9	
Chromium	76.6 ug/L		25.0	1	10/29/14 09:30	10/29/14 19:01	7440-47-3	
Cobalt	ND ug/L		25.0	1	10/29/14 09:30	10/29/14 19:01	7440-48-4	
Copper	ND ug/L		50.0	1	10/29/14 09:30	10/29/14 19:01	7440-50-8	
Iron	52600 ug/L		250	1	10/29/14 09:30	10/29/14 19:01	7439-89-6	
Lead	ND ug/L		25.0	1	10/29/14 09:30	10/29/14 19:01	7439-92-1	
Nickel	59.6 ug/L		25.0	1	10/29/14 09:30	10/29/14 19:01	7440-02-0	
Selenium	ND ug/L		75.0	1	10/29/14 09:30	10/29/14 19:01	7782-49-2	
Silver	ND ug/L		35.0	1	10/29/14 09:30	10/29/14 19:01	7440-22-4	
Thallium	ND ug/L		100	1	10/29/14 09:30	10/29/14 19:01	7440-28-0	
Zinc	2370 ug/L		250	1	10/29/14 09:30	10/29/14 19:01	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	10/29/14 15:00	11/02/14 12:56	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	10/29/14 15:00	11/02/14 12:56	7440-36-0	
Arsenic, Dissolved	233 ug/L		50.0	1	10/29/14 15:00	11/02/14 12:56	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	10/29/14 15:00	11/02/14 12:56	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	10/29/14 15:00	11/02/14 12:56	7440-43-9	
Chromium, Dissolved	60.0 ug/L		25.0	1	10/29/14 15:00	11/02/14 12:56	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	10/29/14 15:00	11/02/14 12:56	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	10/29/14 15:00	11/02/14 12:56	7440-50-8	
Iron, Dissolved	76200 ug/L		250	1	10/29/14 15:00	11/02/14 12:56	7439-89-6	1e
Lead, Dissolved	ND ug/L		25.0	1	10/29/14 15:00	11/02/14 12:56	7439-92-1	
Nickel, Dissolved	48.7 ug/L		25.0	1	10/29/14 15:00	11/02/14 12:56	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	10/29/14 15:00	11/02/14 12:56	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	10/29/14 15:00	11/02/14 12:56	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	10/29/14 15:00	11/02/14 12:56	7440-28-0	
Zinc, Dissolved	ND ug/L		250	1	10/29/14 15:00	11/02/14 12:56	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	6.1 ug/L		6.0	1	10/29/14 09:35	10/29/14 13:46	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	10/30/14 08:45	10/30/14 13:27	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	10/30/14 00:00	10/31/14 10:20	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:20	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:20	77-47-4	
Hexachloroethane	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:20	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	10/30/14 00:00	10/31/14 10:20	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND ug/L		2000	1	10/30/14 00:00	10/31/14 10:20		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

Sample: T1-049	Lab ID: 60181273001	Collected: 10/27/14 08:00	Received: 10/27/14 13:10	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:20	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:20	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:20	87-86-5	L3
Phenol	2530 ug/L		500	1	10/30/14 00:00	10/31/14 10:20	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:20	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:20	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	88 %		33-120	1	10/30/14 00:00	10/31/14 10:20	4165-60-0	
2-Fluorobiphenyl (S)	81 %		39-120	1	10/30/14 00:00	10/31/14 10:20	321-60-8	
Terphenyl-d14 (S)	91 %		45-120	1	10/30/14 00:00	10/31/14 10:20	1718-51-0	
Phenol-d6 (S)	33 %		11-120	1	10/30/14 00:00	10/31/14 10:20	13127-88-3	
2-Fluorophenol (S)	48 %		17-120	1	10/30/14 00:00	10/31/14 10:20	367-12-4	
2,4,6-Tribromophenol (S)	89 %		39-120	1	10/30/14 00:00	10/31/14 10:20	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	54400 ug/L		1000	100		10/30/14 07:30	67-64-1	N2
Benzene	ND ug/L		100	100		10/30/14 07:30	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/30/14 07:30	75-27-4	
Bromoform	ND ug/L		100	100		10/30/14 07:30	75-25-2	
Bromomethane	ND ug/L		500	100		10/30/14 07:30	74-83-9	
2-Butanone (MEK)	22600 ug/L		1000	100		10/30/14 07:30	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/30/14 07:30	56-23-5	
Chloroethane	ND ug/L		100	100		10/30/14 07:30	75-00-3	
Chloroform	ND ug/L		100	100		10/30/14 07:30	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/30/14 07:30	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/30/14 07:30	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/30/14 07:30	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/30/14 07:30	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/30/14 07:30	100-41-4	
Methylene chloride	ND ug/L		100	100		10/30/14 07:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/30/14 07:30	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/30/14 07:30	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/30/14 07:30	127-18-4	
Toluene	ND ug/L		100	100		10/30/14 07:30	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/30/14 07:30	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/30/14 07:30	79-00-5	
Trichloroethene	ND ug/L		100	100		10/30/14 07:30	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/30/14 07:30	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/30/14 07:30	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	98 %		80-120	100		10/30/14 07:30	460-00-4	
Toluene-d8 (S)	100 %		80-120	100		10/30/14 07:30	2037-26-5	
1,2-Dichloroethane-d4 (S)	99 %		80-120	100		10/30/14 07:30	17060-07-0	
Preservation pH	6.0		1.0	100		10/30/14 07:30		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	59.1 mg/L		5.0	1		10/29/14 09:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

Sample: T1-049		Lab ID: 60181273001	Collected: 10/27/14 08:00	Received: 10/27/14 13:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	8.6	mg/L	5.0	1		10/29/14 13:21		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	5720	mg/L	5.0	1		10/31/14 10:41		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.4	Std. Units	0.10	1		10/30/14 18:00		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	5900	mg/L	2.0	1	10/27/14 16:38	11/01/14 12:48		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	138	mg/L	5.0	50		10/29/14 15:18	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	18400	mg/L	2500	250		10/29/14 14:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

Sample: TRIP BLANK		Lab ID: 60181273002	Collected: 10/27/14 08:00	Received: 10/27/14 13:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/30/14 06:19	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/30/14 06:19	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/30/14 06:19	75-27-4	
Bromoform	ND ug/L		1.0	1		10/30/14 06:19	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/30/14 06:19	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/30/14 06:19	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/30/14 06:19	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/30/14 06:19	75-00-3	
Chloroform	ND ug/L		1.0	1		10/30/14 06:19	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/30/14 06:19	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/30/14 06:19	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/30/14 06:19	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/30/14 06:19	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/30/14 06:19	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/30/14 06:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/30/14 06:19	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/30/14 06:19	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/30/14 06:19	127-18-4	
Toluene	ND ug/L		1.0	1		10/30/14 06:19	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/30/14 06:19	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/30/14 06:19	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/30/14 06:19	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/30/14 06:19	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/30/14 06:19	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	98 %		80-120	1		10/30/14 06:19	460-00-4	
Toluene-d8 (S)	101 %		80-120	1		10/30/14 06:19	2037-26-5	
1,2-Dichloroethane-d4 (S)	105 %		80-120	1		10/30/14 06:19	17060-07-0	
Preservation pH	6.0		1.0	1		10/30/14 06:19		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch: MERP/8978

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60181273001

METHOD BLANK: 1468959

Matrix: Water

Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/29/14 13:35	

LABORATORY CONTROL SAMPLE: 1468960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.3	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468961 1468962

Parameter	Units	60181268001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	150	150	92.4	86.4	59	55	70-130	7	20	M1

MATRIX SPIKE SAMPLE: 1468963

Parameter	Units	60181253001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.6	92	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch:	MERP/8985	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury - Dissolved
Associated Lab Samples:	60181273001		

METHOD BLANK: 1469599 Matrix: Water

Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/30/14 13:16	

LABORATORY CONTROL SAMPLE: 1469600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1469601 1469602

Parameter	Units	60181268001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	150	150	114	97.8	76	65	70-130	16	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch: MPRP/29538

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60181273001

METHOD BLANK: 1469202

Matrix: Water

Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/29/14 17:43	
Antimony	ug/L	ND	10.0	10/29/14 17:43	
Arsenic	ug/L	ND	10.0	10/29/14 17:43	
Beryllium	ug/L	ND	1.0	10/29/14 17:43	
Cadmium	ug/L	ND	5.0	10/29/14 17:43	
Chromium	ug/L	ND	5.0	10/29/14 17:43	
Cobalt	ug/L	ND	5.0	10/29/14 17:43	
Copper	ug/L	ND	10.0	10/29/14 17:43	
Iron	ug/L	ND	50.0	10/29/14 17:43	
Lead	ug/L	ND	5.0	10/29/14 17:43	
Nickel	ug/L	ND	5.0	10/29/14 17:43	
Selenium	ug/L	ND	15.0	10/29/14 17:43	
Silver	ug/L	ND	7.0	10/29/14 17:43	
Thallium	ug/L	ND	20.0	10/29/14 17:43	
Zinc	ug/L	ND	50.0	10/29/14 17:43	

LABORATORY CONTROL SAMPLE: 1469203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	85-115	
Antimony	ug/L	1000	1030	103	85-115	
Arsenic	ug/L	1000	984	98	85-115	
Beryllium	ug/L	1000	1010	101	85-115	
Cadmium	ug/L	1000	1020	102	85-115	
Chromium	ug/L	1000	1010	101	85-115	
Cobalt	ug/L	1000	1040	104	85-115	
Copper	ug/L	1000	1020	102	85-115	
Iron	ug/L	10000	9870	99	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1030	103	85-115	
Selenium	ug/L	1000	998	100	85-115	
Silver	ug/L	500	504	101	85-115	
Thallium	ug/L	1000	1020	102	85-115	
Zinc	ug/L	1000	996	100	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1469204												1469205											
Parameter	Units	60180968001 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual									
			Spike Conc.	MSD Conc.																			
Aluminum	ug/L	4950	50000	50000	57800	57500	106	105	70-130	0	8												
Antimony	ug/L	ND	5000	5000	5330	5330	106	106	70-130	0	7												
Arsenic	ug/L	409	5000	5000	5720	5690	106	106	70-130	1	10												
Beryllium	ug/L	ND	5000	5000	5080	5040	102	101	70-130	1	7												
Cadmium	ug/L	ND	5000	5000	5270	5250	105	105	70-130	0	10												
Chromium	ug/L	122	5000	5000	5240	5200	102	102	70-130	1	10												
Cobalt	ug/L	ND	5000	5000	5090	5070	101	101	70-130	0	6												
Copper	ug/L	ND	5000	5000	5200	5180	104	103	70-130	0	11												
Iron	ug/L	302000	50000	50000	351000	346000	99	89	70-130	1	10												
Lead	ug/L	74.4	5000	5000	4830	4800	95	94	70-130	1	10												
Nickel	ug/L	69.8	5000	5000	5080	5050	100	100	70-130	1	10												
Selenium	ug/L	ND	5000	5000	5340	5330	107	107	70-130	0	10												
Silver	ug/L	ND	2500	2500	2680	2670	107	107	70-130	1	10												
Thallium	ug/L	ND	5000	5000	4590	4590	91	91	70-130	0	6												
Zinc	ug/L	3010	5000	5000	7910	7840	98	97	70-130	1	11												

MATRIX SPIKE SAMPLE: 1469206											
Parameter	Units	60180755002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	ND	10000
Antimony	ug/L	ND	1000	1050	105	70-130					
Arsenic	ug/L	ND	1000	1030	103	70-130					
Beryllium	ug/L	ND	1000	1020	102	70-130					
Cadmium	ug/L	ND	1000	1020	102	70-130					
Chromium	ug/L	ND	1000	1020	102	70-130					
Cobalt	ug/L	ND	1000	1020	102	70-130					
Copper	ug/L	ND	1000	1020	102	70-130					
Iron	ug/L	109	10000	9870	98	70-130					
Lead	ug/L	ND	1000	979	98	70-130					
Nickel	ug/L	ND	1000	1020	101	70-130					
Selenium	ug/L	ND	1000	1020	102	70-130					
Silver	ug/L	ND	500	515	103	70-130					
Thallium	ug/L	ND	1000	960	96	70-130					
Zinc	ug/L	ND	1000	1010	99	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch: MPRP/29554

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60181273001

METHOD BLANK: 1469448

Matrix: Water

Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	11/02/14 12:45	
Antimony, Dissolved	ug/L	ND	10.0	11/02/14 12:45	
Arsenic, Dissolved	ug/L	ND	10.0	11/02/14 12:45	
Beryllium, Dissolved	ug/L	ND	1.0	11/02/14 12:45	
Cadmium, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Chromium, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Cobalt, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Copper, Dissolved	ug/L	ND	10.0	11/02/14 12:45	
Iron, Dissolved	ug/L	ND	50.0	11/02/14 12:45	
Lead, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Nickel, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Selenium, Dissolved	ug/L	ND	15.0	11/02/14 12:45	
Silver, Dissolved	ug/L	ND	7.0	11/02/14 12:45	
Thallium, Dissolved	ug/L	ND	20.0	11/02/14 12:45	
Zinc, Dissolved	ug/L	ND	50.0	11/02/14 12:45	

LABORATORY CONTROL SAMPLE: 1469449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9740	97	85-115	
Antimony, Dissolved	ug/L	1000	977	98	85-115	
Arsenic, Dissolved	ug/L	1000	944	94	85-115	
Beryllium, Dissolved	ug/L	1000	984	98	85-115	
Cadmium, Dissolved	ug/L	1000	966	97	85-115	
Chromium, Dissolved	ug/L	1000	975	97	85-115	
Cobalt, Dissolved	ug/L	1000	995	100	85-115	
Copper, Dissolved	ug/L	1000	958	96	85-115	
Iron, Dissolved	ug/L	10000	9870	99	85-115	
Lead, Dissolved	ug/L	1000	991	99	85-115	
Nickel, Dissolved	ug/L	1000	1000	100	85-115	
Selenium, Dissolved	ug/L	1000	954	95	85-115	
Silver, Dissolved	ug/L	500	482	96	85-115	
Thallium, Dissolved	ug/L	1000	987	99	85-115	
Zinc, Dissolved	ug/L	1000	981	98	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

Parameter	Units	60181268001		MS		MSD		MS		MSD		% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec							
Aluminum, Dissolved	ug/L	ND	50000	50000	49700	50000	99	100	70-130	1	20					
Antimony, Dissolved	ug/L	ND	5000	5000	5190	5200	104	104	70-130	0	20					
Arsenic, Dissolved	ug/L	192	5000	5000	5290	5280	102	102	70-130	0	20					
Beryllium, Dissolved	ug/L	ND	5000	5000	4910	4940	98	99	70-130	1	20					
Cadmium, Dissolved	ug/L	ND	5000	5000	5060	5080	101	101	70-130	0	20					
Chromium, Dissolved	ug/L	60.3	5000	5000	4890	4940	97	98	70-130	1	20					
Cobalt, Dissolved	ug/L	ND	5000	5000	4930	4940	98	99	70-130	0	20					
Copper, Dissolved	ug/L	ND	5000	5000	5060	5080	101	102	70-130	0	20					
Iron, Dissolved	ug/L	50100	50000	50000	91400	91500	83	83	70-130	0	20					
Lead, Dissolved	ug/L	ND	5000	5000	4790	4780	96	96	70-130	0	20					
Nickel, Dissolved	ug/L	51.6	5000	5000	4920	4910	97	97	70-130	0	20					
Selenium, Dissolved	ug/L	ND	5000	5000	5180	5180	104	104	70-130	0	20					
Silver, Dissolved	ug/L	ND	2500	2500	2540	2540	101	102	70-130	0	20					
Thallium, Dissolved	ug/L	ND	5000	5000	4600	4590	92	92	70-130	0	20					
Zinc, Dissolved	ug/L	ND	5000	5000	4970	4960	96	96	70-130	0	20					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch: MSV/65420 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60181273001, 60181273002

METHOD BLANK: 1469525 Matrix: Water

Associated Lab Samples: 60181273001, 60181273002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/30/14 05:37	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,2-Dichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/30/14 05:37	
2-Butanone (MEK)	ug/L	ND	10.0	10/30/14 05:37	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/30/14 05:37	N2
Acetone	ug/L	ND	10.0	10/30/14 05:37	N2
Benzene	ug/L	ND	1.0	10/30/14 05:37	
Bromodichloromethane	ug/L	ND	1.0	10/30/14 05:37	
Bromoform	ug/L	ND	1.0	10/30/14 05:37	
Bromomethane	ug/L	ND	5.0	10/30/14 05:37	
Carbon tetrachloride	ug/L	ND	1.0	10/30/14 05:37	
Chloroethane	ug/L	ND	1.0	10/30/14 05:37	
Chloroform	ug/L	ND	1.0	10/30/14 05:37	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/30/14 05:37	N2
Ethylbenzene	ug/L	ND	1.0	10/30/14 05:37	
Methylene chloride	ug/L	ND	1.0	10/30/14 05:37	
Tetrachloroethene	ug/L	ND	1.0	10/30/14 05:37	
Toluene	ug/L	ND	1.0	10/30/14 05:37	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/30/14 05:37	
Trichloroethene	ug/L	ND	1.0	10/30/14 05:37	
Vinyl chloride	ug/L	ND	1.0	10/30/14 05:37	
Xylene (Total)	ug/L	ND	3.0	10/30/14 05:37	N2
1,2-Dichloroethane-d4 (S)	%	105	80-120	10/30/14 05:37	
4-Bromofluorobenzene (S)	%	96	80-120	10/30/14 05:37	
Toluene-d8 (S)	%	99	80-120	10/30/14 05:37	

LABORATORY CONTROL SAMPLE: 1469526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.3	102	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	17.6	88	67-127	N2
1,1,2-Trichloroethane	ug/L	20	19.9	100	67-124	
1,2-Dichloroethane	ug/L	20	19.9	100	70-126	
1,4-Dichlorobenzene	ug/L	20	19.1	95	74-120	
2-Butanone (MEK)	ug/L	100	94.9	95	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.4	99	59-131	N2
Acetone	ug/L	100	92.8	93	38-134	N2
Benzene	ug/L	20	20.1	100	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

LABORATORY CONTROL SAMPLE: 1469526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.0	105	68-125	
Bromoform	ug/L	20	20.1	101	65-127	
Bromomethane	ug/L	20	11.8	59	13-157	
Carbon tetrachloride	ug/L	20	20.3	101	70-131	
Chloroethane	ug/L	20	18.0	90	47-133	
Chloroform	ug/L	20	21.3	106	65-127	
cis-1,2-Dichloroethene	ug/L	20	22.3	111	68-127	N2
Ethylbenzene	ug/L	20	21.3	107	74-122	
Methylene chloride	ug/L	20	19.3	97	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	20.0	100	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.3	101	66-129	
Trichloroethene	ug/L	20	20.7	104	71-123	
Vinyl chloride	ug/L	20	13.8	69	43-129	
Xylene (Total)	ug/L	60	67.1	112	75-121	N2
1,2-Dichloroethane-d4 (S)	%			102	80-120	
4-Bromofluorobenzene (S)	%			97	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1469527

Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2170	108	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	1810	91	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	1940	97	52-143	
1,2-Dichloroethane	ug/L	ND	2000	1990	99	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	1900	95	33-140	
2-Butanone (MEK)	ug/L	20300	10000	29300	90	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	8860	87	40-160	N2
Acetone	ug/L	50000	10000	58300	83	10-160	N2
Benzene	ug/L	ND	2000	2050	101	37-151	
Bromodichloromethane	ug/L	ND	2000	2040	102	35-142	
Bromoform	ug/L	ND	2000	1900	95	45-142	
Bromomethane	ug/L	ND	2000	1390	70	10-158	
Carbon tetrachloride	ug/L	ND	2000	2270	114	70-140	
Chloroethane	ug/L	ND	2000	1710	86	19-152	
Chloroform	ug/L	ND	2000	2160	108	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2220	111	34-147	N2
Ethylbenzene	ug/L	ND	2000	2100	105	40-142	
Methylene chloride	ug/L	ND	2000	1920	94	31-144	
Tetrachloroethene	ug/L	ND	2000	2130	106	64-148	
Toluene	ug/L	ND	2000	2050	100	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	2200	110	54-151	
Trichloroethene	ug/L	ND	2000	2050	102	71-149	
Vinyl chloride	ug/L	ND	2000	1630	82	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

MATRIX SPIKE SAMPLE:		1469527					
Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6590	110	37-144	N2
1,2-Dichloroethane-d4 (S)	%				102	80-120	
4-Bromofluorobenzene (S)	%				98	80-120	HS
Toluene-d8 (S)	%				99	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch:	OEXT/46905	Analysis Method:	EPA 625
QC Batch Method:	EPA 625	Analysis Description:	625 MSS
Associated Lab Samples:	60181273001		

METHOD BLANK: 1469904 Matrix: Water

Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/31/14 08:56	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/31/14 08:56	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/31/14 08:56	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/31/14 08:56	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/31/14 08:56	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/31/14 08:56	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/31/14 08:56	
Hexachloroethane	ug/L	ND	5.0	10/31/14 08:56	
Naphthalene	ug/L	ND	5.0	10/31/14 08:56	
Nitrobenzene	ug/L	ND	5.0	10/31/14 08:56	
Pentachlorophenol	ug/L	ND	5.0	10/31/14 08:56	
Phenol	ug/L	ND	5.0	10/31/14 08:56	
2,4,6-Tribromophenol (S)	%	91	39-120	10/31/14 08:56	
2-Fluorobiphenyl (S)	%	92	39-120	10/31/14 08:56	
2-Fluorophenol (S)	%	50	17-120	10/31/14 08:56	
Nitrobenzene-d5 (S)	%	90	33-120	10/31/14 08:56	
Phenol-d6 (S)	%	31	11-120	10/31/14 08:56	
Terphenyl-d14 (S)	%	96	45-120	10/31/14 08:56	

LABORATORY CONTROL SAMPLE: 1469905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	45.1	90	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.1	98	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	36.2	72	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.4	67	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	53.5	107	40-133	
Hexachloro-1,3-butadiene	ug/L	50	44.4	89	44-116	
Hexachlorocyclopentadiene	ug/L	100	51.7	52	24-120	
Hexachloroethane	ug/L	50	41.9	84	43-113	
Naphthalene	ug/L	50	45.3	91	48-120	
Nitrobenzene	ug/L	50	46.4	93	48-120	
Pentachlorophenol	ug/L	50	72.4	145	47-120	L0
Phenol	ug/L	50	21.2	42	16-112	
2,4,6-Tribromophenol (S)	%			100	39-120	
2-Fluorobiphenyl (S)	%			98	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			91	33-120	
Phenol-d6 (S)	%			33	11-120	
Terphenyl-d14 (S)	%			98	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

MATRIX SPIKE SAMPLE:		1469906					
Parameter	Units	60181125002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	42.2	84	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	43.9	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.5	63	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	29.8	60	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	42.7	85	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	43.1	86	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	49.8	50	11-120	
Hexachloroethane	ug/L	ND	50	38.5	77	40-113	
Naphthalene	ug/L	ND	50	42.2	84	45-120	
Nitrobenzene	ug/L	ND	50	42.5	85	38-120	
Pentachlorophenol	ug/L	ND	50	63.3	127	43-135	
Phenol	ug/L	ND	50	15.8	32	13-112	
2,4,6-Tribromophenol (S)	%				88	39-120	
2-Fluorobiphenyl (S)	%				87	39-120	
2-Fluorophenol (S)	%				41	17-120	
Nitrobenzene-d5 (S)	%				82	33-120	
Phenol-d6 (S)	%				28	11-120	
Terphenyl-d14 (S)	%				92	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch: WET/51218

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60181273001

METHOD BLANK: 1469173

Matrix: Water

Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/29/14 09:45	

LABORATORY CONTROL SAMPLE: 1469174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.6	99	78-114	

MATRIX SPIKE SAMPLE: 1469175

Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	46.4	160	112	41	78-114	M1

SAMPLE DUPLICATE: 1469176

Parameter	Units	60181273001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	59.1	57.0	4	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch:	WET/51219	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60181273001		

METHOD BLANK: 1469177 Matrix: Water
Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/29/14 13:21	

LABORATORY CONTROL SAMPLE: 1469178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.2	116	64-132	

MATRIX SPIKE SAMPLE: 1469179

Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	8.4	80	58.0	62	64-132	M1

SAMPLE DUPLICATE: 1469180

Parameter	Units	60181273001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	8.6	8.0	8	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch: WET/51289

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60181273001

METHOD BLANK: 1470811

Matrix: Water

Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/31/14 10:37	

SAMPLE DUPLICATE: 1470812

Parameter	Units	60181386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	52.0	48.0	8	10	

SAMPLE DUPLICATE: 1470813

Parameter	Units	60181332001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch: WET/51282 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60181273001

SAMPLE DUPLICATE: 1470690

Parameter	Units	60181268001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.3	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch: WET/51171

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60181273001

METHOD BLANK: 1468387

Matrix: Water

Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	11/01/14 12:25	

LABORATORY CONTROL SAMPLE: 1468388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	172	87	85-115	

SAMPLE DUPLICATE: 1468389

Parameter	Units	60181268001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	5700	5200	9	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch: WETA/31568

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60181273001

METHOD BLANK: 1469278

Matrix: Water

Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/29/14 15:10	

LABORATORY CONTROL SAMPLE: 1469279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 1469280

Parameter	Units	60181130001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.7	85	90-110	M1

MATRIX SPIKE SAMPLE: 1469281

Parameter	Units	60181062002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	90	90-110	

SAMPLE DUPLICATE: 1469282

Parameter	Units	60181146004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.065J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

QC Batch: WETA/31543 Analysis Method: EPA 410.4
 QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
 Associated Lab Samples: 60181273001

METHOD BLANK: 1468469 Matrix: Water
 Associated Lab Samples: 60181273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/29/14 14:12	

LABORATORY CONTROL SAMPLE: 1468470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.2	102	90-110	

MATRIX SPIKE SAMPLE: 1468471

Parameter	Units	60180811002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	11100	5000	16600	110	90-110	

MATRIX SPIKE SAMPLE: 1468473

Parameter	Units	60180823001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	81.1	50	121	79	90-110	M1

SAMPLE DUPLICATE: 1468472

Parameter	Units	60180813001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	114	117	3	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1e Dissolved result is greater than the total. Data was confirmed.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-049

Pace Project No.: 60181273

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60181273001	T1-049	EPA 200.7	MPRP/29538	EPA 200.7	ICP/22171
60181273001	T1-049	EPA 200.7	MPRP/29554	EPA 200.7	ICP/22181
60181273001	T1-049	EPA 245.1	MERP/8978	EPA 245.1	MERC/8933
60181273001	T1-049	EPA 245.1	MERP/8985	EPA 245.1	MERC/8939
60181273001	T1-049	EPA 625	OEXT/46905	EPA 625	MSSV/15097
60181273001	T1-049	EPA 624 Low	MSV/65420		
60181273002	TRIP BLANK	EPA 624 Low	MSV/65420		
60181273001	T1-049	EPA 1664A	WET/51218		
60181273001	T1-049	EPA 1664A	WET/51219		
60181273001	T1-049	SM 2540D	WET/51289		
60181273001	T1-049	SM 4500-H+B	WET/51282		
60181273001	T1-049	SM 5210B	WET/51171	SM 5210B	WET/51308
60181273001	T1-049	EPA 350.1	WETA/31568		
60181273001	T1-049	EPA 410.4	WETA/31543		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60181273



60181273

Client Name: Barr

Courier: Fed Ex [] UPS [] USPS [] Client [] Commercial [] Pace [] Other [X] PEX

Tracking #: Pace Shipping Label Used? Yes [] No []

Custody Seal on Cooler/Box Present: Yes [X] No [] Seals intact: Yes [X] No []

Packing Material: Bubble Wrap [] Bubble Bags [X] Foam [X] None [] Other [X] PENC

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None [X] Samples received on ice, cooling process has begun.

Cooler Temperature: 9.8

Date and initials of person examining contents: JB 10/27

Temperature should be above freezing to 6°C

Table with 17 rows and 2 columns. Row 1: Chain of Custody present: [X] Yes [] No [] N/A. Row 2: Chain of Custody filled out: [X] Yes [] No [] N/A. Row 3: Chain of Custody relinquished: [X] Yes [] No [] N/A. Row 4: Sampler name & signature on COC: [X] Yes [] No [] N/A. Row 5: Samples arrived within holding time: [X] Yes [] No [] N/A. Row 6: Short Hold Time analyses (<72hr): [X] Yes [] No [] N/A. Row 7: Rush Turn Around Time requested: [] Yes [X] No [] N/A. Row 8: Sufficient volume: [X] Yes [] No [] N/A. Row 9: Correct containers used: [X] Yes [] No [] N/A. Row 10: Pace containers used: [X] Yes [] No [] N/A. Row 11: Containers intact: [X] Yes [] No [] N/A. Row 12: Unpreserved 5035A soils frozen w/in 48hrs? [] Yes [] No [X] N/A. Row 13: Filtered volume received for dissolved tests? [] Yes [] No [X] N/A. Row 14: Sample labels match COC: [X] Yes [] No [] N/A. Row 15: Includes date/time/ID/analyses Matrix: OT. Row 16: All containers needing preservation have been checked. Row 17: All containers needing preservation are found to be in compliance with EPA recommendation. Row 18: Exceptions: VOA, coliform, TOC, Q&G, WI-DRO (water), Phenolics. Row 19: Trip Blank present: [X] Yes [] No [] N/A. Row 20: Pace Trip Blank lot # (if purchased): 10/20/14. Row 21: Headspace in VOA vials (>6mm): [] Yes [X] No [] N/A. Row 22: Project sampled in USDA Regulated Area: [] Yes [] No [X] N/A. List State: MD.

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date:

November 03, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

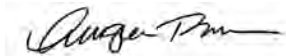
RE: Project: BRIDGETON LF T1-048
Pace Project No.: 60181274

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 27, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60181274001	T1-048	Water	10/26/14 14:00	10/27/14 13:10
60181274002	TRIP BLANK	Water	10/26/14 14:00	10/27/14 13:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60181274001	T1-048	EPA 200.7	JGP	15
		EPA 200.7	SMW	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60181274002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

Sample: T1-048		Lab ID: 60181274001	Collected: 10/26/14 14:00	Received: 10/27/14 13:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	15400	ug/L	375	1	10/29/14 09:30	10/29/14 19:04	7429-90-5	
Antimony	ND	ug/L	50.0	1	10/29/14 09:30	10/29/14 19:04	7440-36-0	
Arsenic	432	ug/L	50.0	1	10/29/14 09:30	10/29/14 19:04	7440-38-2	
Beryllium	ND	ug/L	5.0	1	10/29/14 09:30	10/29/14 19:04	7440-41-7	
Cadmium	ND	ug/L	25.0	1	10/29/14 09:30	10/29/14 19:04	7440-43-9	
Chromium	155	ug/L	25.0	1	10/29/14 09:30	10/29/14 19:04	7440-47-3	
Cobalt	26.7	ug/L	25.0	1	10/29/14 09:30	10/29/14 19:04	7440-48-4	
Copper	ND	ug/L	50.0	1	10/29/14 09:30	10/29/14 19:04	7440-50-8	
Iron	381000	ug/L	250	1	10/29/14 09:30	10/29/14 19:04	7439-89-6	
Lead	98.9	ug/L	25.0	1	10/29/14 09:30	10/29/14 19:04	7439-92-1	
Nickel	96.2	ug/L	25.0	1	10/29/14 09:30	10/29/14 19:04	7440-02-0	
Selenium	ND	ug/L	75.0	1	10/29/14 09:30	10/29/14 19:04	7782-49-2	
Silver	ND	ug/L	35.0	1	10/29/14 09:30	10/29/14 19:04	7440-22-4	
Thallium	ND	ug/L	100	1	10/29/14 09:30	10/29/14 19:04	7440-28-0	
Zinc	3710	ug/L	250	1	10/29/14 09:30	10/29/14 19:04	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND	ug/L	375	1	10/29/14 15:00	11/02/14 12:59	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	10/29/14 15:00	11/02/14 12:59	7440-36-0	
Arsenic, Dissolved	213	ug/L	50.0	1	10/29/14 15:00	11/02/14 12:59	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	10/29/14 15:00	11/02/14 12:59	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	10/29/14 15:00	11/02/14 12:59	7440-43-9	
Chromium, Dissolved	55.6	ug/L	25.0	1	10/29/14 15:00	11/02/14 12:59	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	10/29/14 15:00	11/02/14 12:59	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	10/29/14 15:00	11/02/14 12:59	7440-50-8	
Iron, Dissolved	45000	ug/L	250	1	10/29/14 15:00	11/02/14 12:59	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	10/29/14 15:00	11/02/14 12:59	7439-92-1	
Nickel, Dissolved	47.8	ug/L	25.0	1	10/29/14 15:00	11/02/14 12:59	7440-02-0	
Selenium, Dissolved	ND	ug/L	75.0	1	10/29/14 15:00	11/02/14 12:59	7782-49-2	
Silver, Dissolved	ND	ug/L	35.0	1	10/29/14 15:00	11/02/14 12:59	7440-22-4	
Thallium, Dissolved	ND	ug/L	100	1	10/29/14 15:00	11/02/14 12:59	7440-28-0	
Zinc, Dissolved	308	ug/L	250	1	10/29/14 15:00	11/02/14 12:59	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	6.0	1	10/29/14 09:35	10/29/14 13:48	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	10/30/14 08:45	10/30/14 13:29	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	2500	1	10/30/14 00:00	10/31/14 10:41	534-52-1	
Hexachloro-1,3-butadiene	ND	ug/L	500	1	10/30/14 00:00	10/31/14 10:41	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	500	1	10/30/14 00:00	10/31/14 10:41	77-47-4	
Hexachloroethane	ND	ug/L	500	1	10/30/14 00:00	10/31/14 10:41	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	1000	1	10/30/14 00:00	10/31/14 10:41	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2040	ug/L	2000	1	10/30/14 00:00	10/31/14 10:41		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

Sample: T1-048	Lab ID: 60181274001	Collected: 10/26/14 14:00	Received: 10/27/14 13:10	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:41	91-20-3	
Nitrobenzene	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:41	98-95-3	
Pentachlorophenol	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:41	87-86-5	L3
Phenol	3040 ug/L		500	1	10/30/14 00:00	10/31/14 10:41	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:41	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	10/30/14 00:00	10/31/14 10:41	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	93 %		33-120	1	10/30/14 00:00	10/31/14 10:41	4165-60-0	
2-Fluorobiphenyl (S)	83 %		39-120	1	10/30/14 00:00	10/31/14 10:41	321-60-8	
Terphenyl-d14 (S)	86 %		45-120	1	10/30/14 00:00	10/31/14 10:41	1718-51-0	
Phenol-d6 (S)	33 %		11-120	1	10/30/14 00:00	10/31/14 10:41	13127-88-3	
2-Fluorophenol (S)	46 %		17-120	1	10/30/14 00:00	10/31/14 10:41	367-12-4	
2,4,6-Tribromophenol (S)	88 %		39-120	1	10/30/14 00:00	10/31/14 10:41	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	57200 ug/L		1000	100		10/30/14 07:16	67-64-1	N2
Benzene	ND ug/L		100	100		10/30/14 07:16	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/30/14 07:16	75-27-4	
Bromoform	ND ug/L		100	100		10/30/14 07:16	75-25-2	
Bromomethane	ND ug/L		500	100		10/30/14 07:16	74-83-9	
2-Butanone (MEK)	23200 ug/L		1000	100		10/30/14 07:16	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/30/14 07:16	56-23-5	
Chloroethane	ND ug/L		100	100		10/30/14 07:16	75-00-3	
Chloroform	ND ug/L		100	100		10/30/14 07:16	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/30/14 07:16	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/30/14 07:16	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/30/14 07:16	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/30/14 07:16	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/30/14 07:16	100-41-4	
Methylene chloride	ND ug/L		100	100		10/30/14 07:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/30/14 07:16	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/30/14 07:16	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/30/14 07:16	127-18-4	
Toluene	ND ug/L		100	100		10/30/14 07:16	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/30/14 07:16	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/30/14 07:16	79-00-5	
Trichloroethene	ND ug/L		100	100		10/30/14 07:16	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/30/14 07:16	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/30/14 07:16	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	101 %		80-120	100		10/30/14 07:16	460-00-4	HS
Toluene-d8 (S)	96 %		80-120	100		10/30/14 07:16	2037-26-5	
1,2-Dichloroethane-d4 (S)	99 %		80-120	100		10/30/14 07:16	17060-07-0	
Preservation pH	6.0		1.0	100		10/30/14 07:16		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	54.1 mg/L		5.0	1		10/29/14 09:46		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

Sample: T1-048		Lab ID: 60181274001	Collected: 10/26/14 14:00	Received: 10/27/14 13:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	8.2	mg/L	5.0	1		10/29/14 13:22		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3620	mg/L	5.0	1		10/31/14 10:40		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.2	Std. Units	0.10	1		10/30/14 18:00		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	6650	mg/L	2.0	1	10/27/14 16:41	11/01/14 12:53		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	110	mg/L	5.0	50		10/29/14 15:19	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	18000	mg/L	2500	250		10/29/14 14:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

Sample: TRIP BLANK		Lab ID: 60181274002	Collected: 10/26/14 14:00	Received: 10/27/14 13:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/30/14 06:05	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/30/14 06:05	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/30/14 06:05	75-27-4	
Bromoform	ND ug/L		1.0	1		10/30/14 06:05	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/30/14 06:05	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/30/14 06:05	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/30/14 06:05	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/30/14 06:05	75-00-3	
Chloroform	ND ug/L		1.0	1		10/30/14 06:05	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/30/14 06:05	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/30/14 06:05	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/30/14 06:05	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/30/14 06:05	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/30/14 06:05	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/30/14 06:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/30/14 06:05	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/30/14 06:05	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/30/14 06:05	127-18-4	
Toluene	ND ug/L		1.0	1		10/30/14 06:05	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/30/14 06:05	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/30/14 06:05	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/30/14 06:05	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/30/14 06:05	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/30/14 06:05	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	98 %		80-120	1		10/30/14 06:05	460-00-4	
Toluene-d8 (S)	97 %		80-120	1		10/30/14 06:05	2037-26-5	
1,2-Dichloroethane-d4 (S)	105 %		80-120	1		10/30/14 06:05	17060-07-0	
Preservation pH	6.0		1.0	1		10/30/14 06:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch: MERP/8978

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60181274001

METHOD BLANK: 1468959

Matrix: Water

Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/29/14 13:35	

LABORATORY CONTROL SAMPLE: 1468960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.3	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1468961 1468962

Parameter	Units	60181268001 Result	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
Mercury	ug/L	ND	150	150	92.4	86.4	59	55	70-130	7	20	M1		

MATRIX SPIKE SAMPLE: 1468963

Parameter	Units	60181253001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	5	4.6	92	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch: MERP/8985

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60181274001

METHOD BLANK: 1469599

Matrix: Water

Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/30/14 13:16	

LABORATORY CONTROL SAMPLE: 1469600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1469601 1469602

Parameter	Units	60181268001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury, Dissolved	ug/L	ND	150	150	114	97.8	76	65	70-130	16	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch: MPRP/29538

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60181274001

METHOD BLANK: 1469202

Matrix: Water

Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	10/29/14 17:43	
Antimony	ug/L	ND	10.0	10/29/14 17:43	
Arsenic	ug/L	ND	10.0	10/29/14 17:43	
Beryllium	ug/L	ND	1.0	10/29/14 17:43	
Cadmium	ug/L	ND	5.0	10/29/14 17:43	
Chromium	ug/L	ND	5.0	10/29/14 17:43	
Cobalt	ug/L	ND	5.0	10/29/14 17:43	
Copper	ug/L	ND	10.0	10/29/14 17:43	
Iron	ug/L	ND	50.0	10/29/14 17:43	
Lead	ug/L	ND	5.0	10/29/14 17:43	
Nickel	ug/L	ND	5.0	10/29/14 17:43	
Selenium	ug/L	ND	15.0	10/29/14 17:43	
Silver	ug/L	ND	7.0	10/29/14 17:43	
Thallium	ug/L	ND	20.0	10/29/14 17:43	
Zinc	ug/L	ND	50.0	10/29/14 17:43	

LABORATORY CONTROL SAMPLE: 1469203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	85-115	
Antimony	ug/L	1000	1030	103	85-115	
Arsenic	ug/L	1000	984	98	85-115	
Beryllium	ug/L	1000	1010	101	85-115	
Cadmium	ug/L	1000	1020	102	85-115	
Chromium	ug/L	1000	1010	101	85-115	
Cobalt	ug/L	1000	1040	104	85-115	
Copper	ug/L	1000	1020	102	85-115	
Iron	ug/L	10000	9870	99	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1030	103	85-115	
Selenium	ug/L	1000	998	100	85-115	
Silver	ug/L	500	504	101	85-115	
Thallium	ug/L	1000	1020	102	85-115	
Zinc	ug/L	1000	996	100	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1469204												1469205											
Parameter	Units	60180968001 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual									
			Spike Conc.	MS Conc.	Spike Conc.	MSD Conc.																	
Aluminum	ug/L	4950	50000	50000	57800	57500	106	105	70-130	0	8												
Antimony	ug/L	ND	5000	5000	5330	5330	106	106	70-130	0	7												
Arsenic	ug/L	409	5000	5000	5720	5690	106	106	70-130	1	10												
Beryllium	ug/L	ND	5000	5000	5080	5040	102	101	70-130	1	7												
Cadmium	ug/L	ND	5000	5000	5270	5250	105	105	70-130	0	10												
Chromium	ug/L	122	5000	5000	5240	5200	102	102	70-130	1	10												
Cobalt	ug/L	ND	5000	5000	5090	5070	101	101	70-130	0	6												
Copper	ug/L	ND	5000	5000	5200	5180	104	103	70-130	0	11												
Iron	ug/L	302000	50000	50000	351000	346000	99	89	70-130	1	10												
Lead	ug/L	74.4	5000	5000	4830	4800	95	94	70-130	1	10												
Nickel	ug/L	69.8	5000	5000	5080	5050	100	100	70-130	1	10												
Selenium	ug/L	ND	5000	5000	5340	5330	107	107	70-130	0	10												
Silver	ug/L	ND	2500	2500	2680	2670	107	107	70-130	1	10												
Thallium	ug/L	ND	5000	5000	4590	4590	91	91	70-130	0	6												
Zinc	ug/L	3010	5000	5000	7910	7840	98	97	70-130	1	11												

MATRIX SPIKE SAMPLE: 1469206											
Parameter	Units	60180755002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers				
								Aluminum	ug/L	ND	10000
Antimony	ug/L	ND	1000	1050	105	70-130					
Arsenic	ug/L	ND	1000	1030	103	70-130					
Beryllium	ug/L	ND	1000	1020	102	70-130					
Cadmium	ug/L	ND	1000	1020	102	70-130					
Chromium	ug/L	ND	1000	1020	102	70-130					
Cobalt	ug/L	ND	1000	1020	102	70-130					
Copper	ug/L	ND	1000	1020	102	70-130					
Iron	ug/L	109	10000	9870	98	70-130					
Lead	ug/L	ND	1000	979	98	70-130					
Nickel	ug/L	ND	1000	1020	101	70-130					
Selenium	ug/L	ND	1000	1020	102	70-130					
Silver	ug/L	ND	500	515	103	70-130					
Thallium	ug/L	ND	1000	960	96	70-130					
Zinc	ug/L	ND	1000	1010	99	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch: MPRP/29554

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60181274001

METHOD BLANK: 1469448

Matrix: Water

Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	11/02/14 12:45	
Antimony, Dissolved	ug/L	ND	10.0	11/02/14 12:45	
Arsenic, Dissolved	ug/L	ND	10.0	11/02/14 12:45	
Beryllium, Dissolved	ug/L	ND	1.0	11/02/14 12:45	
Cadmium, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Chromium, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Cobalt, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Copper, Dissolved	ug/L	ND	10.0	11/02/14 12:45	
Iron, Dissolved	ug/L	ND	50.0	11/02/14 12:45	
Lead, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Nickel, Dissolved	ug/L	ND	5.0	11/02/14 12:45	
Selenium, Dissolved	ug/L	ND	15.0	11/02/14 12:45	
Silver, Dissolved	ug/L	ND	7.0	11/02/14 12:45	
Thallium, Dissolved	ug/L	ND	20.0	11/02/14 12:45	
Zinc, Dissolved	ug/L	ND	50.0	11/02/14 12:45	

LABORATORY CONTROL SAMPLE: 1469449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9740	97	85-115	
Antimony, Dissolved	ug/L	1000	977	98	85-115	
Arsenic, Dissolved	ug/L	1000	944	94	85-115	
Beryllium, Dissolved	ug/L	1000	984	98	85-115	
Cadmium, Dissolved	ug/L	1000	966	97	85-115	
Chromium, Dissolved	ug/L	1000	975	97	85-115	
Cobalt, Dissolved	ug/L	1000	995	100	85-115	
Copper, Dissolved	ug/L	1000	958	96	85-115	
Iron, Dissolved	ug/L	10000	9870	99	85-115	
Lead, Dissolved	ug/L	1000	991	99	85-115	
Nickel, Dissolved	ug/L	1000	1000	100	85-115	
Selenium, Dissolved	ug/L	1000	954	95	85-115	
Silver, Dissolved	ug/L	500	482	96	85-115	
Thallium, Dissolved	ug/L	1000	987	99	85-115	
Zinc, Dissolved	ug/L	1000	981	98	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1469450		1469451									
Parameter	Units	60181268001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
		Result	Spike	Spike	Result	Result	% Rec	% Rec	Limits				
Aluminum, Dissolved	ug/L	ND	50000	50000	49700	50000	99	100	70-130	1	20		
Antimony, Dissolved	ug/L	ND	5000	5000	5190	5200	104	104	70-130	0	20		
Arsenic, Dissolved	ug/L	192	5000	5000	5290	5280	102	102	70-130	0	20		
Beryllium, Dissolved	ug/L	ND	5000	5000	4910	4940	98	99	70-130	1	20		
Cadmium, Dissolved	ug/L	ND	5000	5000	5060	5080	101	101	70-130	0	20		
Chromium, Dissolved	ug/L	60.3	5000	5000	4890	4940	97	98	70-130	1	20		
Cobalt, Dissolved	ug/L	ND	5000	5000	4930	4940	98	99	70-130	0	20		
Copper, Dissolved	ug/L	ND	5000	5000	5060	5080	101	102	70-130	0	20		
Iron, Dissolved	ug/L	50100	50000	50000	91400	91500	83	83	70-130	0	20		
Lead, Dissolved	ug/L	ND	5000	5000	4790	4780	96	96	70-130	0	20		
Nickel, Dissolved	ug/L	51.6	5000	5000	4920	4910	97	97	70-130	0	20		
Selenium, Dissolved	ug/L	ND	5000	5000	5180	5180	104	104	70-130	0	20		
Silver, Dissolved	ug/L	ND	2500	2500	2540	2540	101	102	70-130	0	20		
Thallium, Dissolved	ug/L	ND	5000	5000	4600	4590	92	92	70-130	0	20		
Zinc, Dissolved	ug/L	ND	5000	5000	4970	4960	96	96	70-130	0	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch: MSV/65420 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60181274001, 60181274002

METHOD BLANK: 1469525 Matrix: Water

Associated Lab Samples: 60181274001, 60181274002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/30/14 05:37	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,2-Dichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/30/14 05:37	
2-Butanone (MEK)	ug/L	ND	10.0	10/30/14 05:37	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/30/14 05:37	N2
Acetone	ug/L	ND	10.0	10/30/14 05:37	N2
Benzene	ug/L	ND	1.0	10/30/14 05:37	
Bromodichloromethane	ug/L	ND	1.0	10/30/14 05:37	
Bromoform	ug/L	ND	1.0	10/30/14 05:37	
Bromomethane	ug/L	ND	5.0	10/30/14 05:37	
Carbon tetrachloride	ug/L	ND	1.0	10/30/14 05:37	
Chloroethane	ug/L	ND	1.0	10/30/14 05:37	
Chloroform	ug/L	ND	1.0	10/30/14 05:37	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/30/14 05:37	N2
Ethylbenzene	ug/L	ND	1.0	10/30/14 05:37	
Methylene chloride	ug/L	ND	1.0	10/30/14 05:37	
Tetrachloroethene	ug/L	ND	1.0	10/30/14 05:37	
Toluene	ug/L	ND	1.0	10/30/14 05:37	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/30/14 05:37	
Trichloroethene	ug/L	ND	1.0	10/30/14 05:37	
Vinyl chloride	ug/L	ND	1.0	10/30/14 05:37	
Xylene (Total)	ug/L	ND	3.0	10/30/14 05:37	N2
1,2-Dichloroethane-d4 (S)	%	105	80-120	10/30/14 05:37	
4-Bromofluorobenzene (S)	%	96	80-120	10/30/14 05:37	
Toluene-d8 (S)	%	99	80-120	10/30/14 05:37	

LABORATORY CONTROL SAMPLE: 1469526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.3	102	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	17.6	88	67-127	N2
1,1,2-Trichloroethane	ug/L	20	19.9	100	67-124	
1,2-Dichloroethane	ug/L	20	19.9	100	70-126	
1,4-Dichlorobenzene	ug/L	20	19.1	95	74-120	
2-Butanone (MEK)	ug/L	100	94.9	95	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.4	99	59-131	N2
Acetone	ug/L	100	92.8	93	38-134	N2
Benzene	ug/L	20	20.1	100	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

LABORATORY CONTROL SAMPLE: 1469526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.0	105	68-125	
Bromoform	ug/L	20	20.1	101	65-127	
Bromomethane	ug/L	20	11.8	59	13-157	
Carbon tetrachloride	ug/L	20	20.3	101	70-131	
Chloroethane	ug/L	20	18.0	90	47-133	
Chloroform	ug/L	20	21.3	106	65-127	
cis-1,2-Dichloroethene	ug/L	20	22.3	111	68-127	N2
Ethylbenzene	ug/L	20	21.3	107	74-122	
Methylene chloride	ug/L	20	19.3	97	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	20.0	100	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.3	101	66-129	
Trichloroethene	ug/L	20	20.7	104	71-123	
Vinyl chloride	ug/L	20	13.8	69	43-129	
Xylene (Total)	ug/L	60	67.1	112	75-121	N2
1,2-Dichloroethane-d4 (S)	%			102	80-120	
4-Bromofluorobenzene (S)	%			97	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1469527

Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2170	108	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	1810	91	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	1940	97	52-143	
1,2-Dichloroethane	ug/L	ND	2000	1990	99	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	1900	95	33-140	
2-Butanone (MEK)	ug/L	20300	10000	29300	90	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	8860	87	40-160	N2
Acetone	ug/L	50000	10000	58300	83	10-160	N2
Benzene	ug/L	ND	2000	2050	101	37-151	
Bromodichloromethane	ug/L	ND	2000	2040	102	35-142	
Bromoform	ug/L	ND	2000	1900	95	45-142	
Bromomethane	ug/L	ND	2000	1390	70	10-158	
Carbon tetrachloride	ug/L	ND	2000	2270	114	70-140	
Chloroethane	ug/L	ND	2000	1710	86	19-152	
Chloroform	ug/L	ND	2000	2160	108	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2220	111	34-147	N2
Ethylbenzene	ug/L	ND	2000	2100	105	40-142	
Methylene chloride	ug/L	ND	2000	1920	94	31-144	
Tetrachloroethene	ug/L	ND	2000	2130	106	64-148	
Toluene	ug/L	ND	2000	2050	100	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	2200	110	54-151	
Trichloroethene	ug/L	ND	2000	2050	102	71-149	
Vinyl chloride	ug/L	ND	2000	1630	82	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

MATRIX SPIKE SAMPLE:		1469527					
Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6590	110	37-144	N2
1,2-Dichloroethane-d4 (S)	%				102	80-120	
4-Bromofluorobenzene (S)	%				98	80-120	HS
Toluene-d8 (S)	%				99	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch: OEXT/46905 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60181274001

METHOD BLANK: 1469904 Matrix: Water

Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/31/14 08:56	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/31/14 08:56	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/31/14 08:56	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/31/14 08:56	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/31/14 08:56	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/31/14 08:56	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/31/14 08:56	
Hexachloroethane	ug/L	ND	5.0	10/31/14 08:56	
Naphthalene	ug/L	ND	5.0	10/31/14 08:56	
Nitrobenzene	ug/L	ND	5.0	10/31/14 08:56	
Pentachlorophenol	ug/L	ND	5.0	10/31/14 08:56	
Phenol	ug/L	ND	5.0	10/31/14 08:56	
2,4,6-Tribromophenol (S)	%	91	39-120	10/31/14 08:56	
2-Fluorobiphenyl (S)	%	92	39-120	10/31/14 08:56	
2-Fluorophenol (S)	%	50	17-120	10/31/14 08:56	
Nitrobenzene-d5 (S)	%	90	33-120	10/31/14 08:56	
Phenol-d6 (S)	%	31	11-120	10/31/14 08:56	
Terphenyl-d14 (S)	%	96	45-120	10/31/14 08:56	

LABORATORY CONTROL SAMPLE: 1469905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	45.1	90	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.1	98	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	36.2	72	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.4	67	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	53.5	107	40-133	
Hexachloro-1,3-butadiene	ug/L	50	44.4	89	44-116	
Hexachlorocyclopentadiene	ug/L	100	51.7	52	24-120	
Hexachloroethane	ug/L	50	41.9	84	43-113	
Naphthalene	ug/L	50	45.3	91	48-120	
Nitrobenzene	ug/L	50	46.4	93	48-120	
Pentachlorophenol	ug/L	50	72.4	145	47-120	L0
Phenol	ug/L	50	21.2	42	16-112	
2,4,6-Tribromophenol (S)	%			100	39-120	
2-Fluorobiphenyl (S)	%			98	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			91	33-120	
Phenol-d6 (S)	%			33	11-120	
Terphenyl-d14 (S)	%			98	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

MATRIX SPIKE SAMPLE:		1469906					
Parameter	Units	60181125002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	42.2	84	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	43.9	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.5	63	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	29.8	60	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	42.7	85	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	43.1	86	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	49.8	50	11-120	
Hexachloroethane	ug/L	ND	50	38.5	77	40-113	
Naphthalene	ug/L	ND	50	42.2	84	45-120	
Nitrobenzene	ug/L	ND	50	42.5	85	38-120	
Pentachlorophenol	ug/L	ND	50	63.3	127	43-135	
Phenol	ug/L	ND	50	15.8	32	13-112	
2,4,6-Tribromophenol (S)	%				88	39-120	
2-Fluorobiphenyl (S)	%				87	39-120	
2-Fluorophenol (S)	%				41	17-120	
Nitrobenzene-d5 (S)	%				82	33-120	
Phenol-d6 (S)	%				28	11-120	
Terphenyl-d14 (S)	%				92	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch: WET/51218

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 60181274001

METHOD BLANK: 1469173

Matrix: Water

Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/29/14 09:45	

LABORATORY CONTROL SAMPLE: 1469174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.6	99	78-114	

MATRIX SPIKE SAMPLE: 1469175

Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	46.4	160	112	41	78-114	M1

SAMPLE DUPLICATE: 1469176

Parameter	Units	60181273001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	59.1	57.0	4	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch:	WET/51219	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60181274001		

METHOD BLANK: 1469177 Matrix: Water
Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	10/29/14 13:21	

LABORATORY CONTROL SAMPLE: 1469178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.2	116	64-132	

MATRIX SPIKE SAMPLE: 1469179

Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	8.4	80	58.0	62	64-132	M1

SAMPLE DUPLICATE: 1469180

Parameter	Units	60181273001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	8.6	8.0	8	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch:	WET/51289	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60181274001		

METHOD BLANK: 1470811 Matrix: Water

Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/31/14 10:37	

SAMPLE DUPLICATE: 1470812

Parameter	Units	60181386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	52.0	48.0	8	10	

SAMPLE DUPLICATE: 1470813

Parameter	Units	60181332001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch: WET/51282 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60181274001

SAMPLE DUPLICATE: 1470690

Parameter	Units	60181268001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.3	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch: WET/51171

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60181274001

METHOD BLANK: 1468387

Matrix: Water

Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	11/01/14 12:25	

LABORATORY CONTROL SAMPLE: 1468388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	172	87	85-115	

SAMPLE DUPLICATE: 1468389

Parameter	Units	60181268001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	5700	5200	9	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

QC Batch:	WETA/31568	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	60181274001		

METHOD BLANK: 1469278 Matrix: Water
Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/29/14 15:10	

LABORATORY CONTROL SAMPLE: 1469279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 1469280

Parameter	Units	60181130001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.7	85	90-110	M1

MATRIX SPIKE SAMPLE: 1469281

Parameter	Units	60181062002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	90	90-110	

SAMPLE DUPLICATE: 1469282

Parameter	Units	60181146004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.065J		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-048
Pace Project No.: 60181274

QC Batch: WETA/31543 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 60181274001

METHOD BLANK: 1468469 Matrix: Water
Associated Lab Samples: 60181274001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	10/29/14 14:12	

LABORATORY CONTROL SAMPLE: 1468470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	51.2	102	90-110	

MATRIX SPIKE SAMPLE: 1468471

Parameter	Units	60180811002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	11100	5000	16600	110	90-110	

MATRIX SPIKE SAMPLE: 1468473

Parameter	Units	60180823001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	81.1	50	121	79	90-110	M1

SAMPLE DUPLICATE: 1468472

Parameter	Units	60180813001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	114	117	3	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-048

Pace Project No.: 60181274

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60181274001	T1-048	EPA 200.7	MPRP/29538	EPA 200.7	ICP/22171
60181274001	T1-048	EPA 200.7	MPRP/29554	EPA 200.7	ICP/22181
60181274001	T1-048	EPA 245.1	MERP/8978	EPA 245.1	MERC/8933
60181274001	T1-048	EPA 245.1	MERP/8985	EPA 245.1	MERC/8939
60181274001	T1-048	EPA 625	OEXT/46905	EPA 625	MSSV/15097
60181274001	T1-048	EPA 624 Low	MSV/65420		
60181274002	TRIP BLANK	EPA 624 Low	MSV/65420		
60181274001	T1-048	EPA 1664A	WET/51218		
60181274001	T1-048	EPA 1664A	WET/51219		
60181274001	T1-048	SM 2540D	WET/51289		
60181274001	T1-048	SM 4500-H+B	WET/51282		
60181274001	T1-048	SM 5210B	WET/51171	SM 5210B	WET/51308
60181274001	T1-048	EPA 350.1	WETA/31568		
60181274001	T1-048	EPA 410.4	WETA/31543		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60181274

60181274

Client Name: Barr

Courier: Fed Ex UPS USPS Client Commercial Pace Other PEX

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other PENC

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 1.2

Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: JB 10/27

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>Bad pH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Includes date/time/ID/analyses Matrix:	<u>OT</u>	13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>BPBS initial pH 4.0 added Inv. Final pH 2.0</u> <u>DP3W initial pH 6.0 added 2.5ml Final pH 3.0</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, <u>Q&G</u> , WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Lot # of added preservative
Pace Trip Blank lot # (if purchased):	_____	15.
Headspace in VOA vials (>6mm):	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <u>JB 10/27</u>	16. <u>5 of 5 Barr</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y N Field Data Required? Y N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 10/27/14

November 05, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

RE: Project: BRIDGETON LF T1-050
Pace Project No.: 60181384

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 29, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60181384001	T1-050	Water	10/28/14 09:47	10/29/14 03:00
60181384002	TRIP BLANK	Water		10/29/14 03:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60181384001	T1-050	EPA 200.7	SMW	15
		EPA 200.7	SMW	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60181384002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

Sample: T1-050		Lab ID: 60181384001	Collected: 10/28/14 09:47	Received: 10/29/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	8420	ug/L	375	1	10/30/14 09:15	11/02/14 15:52	7429-90-5	
Antimony	ND	ug/L	50.0	1	10/30/14 09:15	11/02/14 15:52	7440-36-0	
Arsenic	396	ug/L	50.0	1	10/30/14 09:15	11/02/14 15:52	7440-38-2	
Beryllium	ND	ug/L	5.0	1	10/30/14 09:15	11/02/14 15:52	7440-41-7	
Cadmium	ND	ug/L	25.0	1	10/30/14 09:15	11/02/14 15:52	7440-43-9	
Chromium	118	ug/L	25.0	1	10/30/14 09:15	11/02/14 15:52	7440-47-3	
Cobalt	ND	ug/L	25.0	1	10/30/14 09:15	11/02/14 15:52	7440-48-4	
Copper	ND	ug/L	50.0	1	10/30/14 09:15	11/02/14 15:52	7440-50-8	
Iron	31500	ug/L	250	1	10/30/14 09:15	11/02/14 15:52	7439-89-6	M1
Lead	73.0	ug/L	25.0	1	10/30/14 09:15	11/02/14 15:52	7439-92-1	
Nickel	69.8	ug/L	25.0	1	10/30/14 09:15	11/02/14 15:52	7440-02-0	
Selenium	ND	ug/L	75.0	1	10/30/14 09:15	11/02/14 15:52	7782-49-2	
Silver	ND	ug/L	35.0	1	10/30/14 09:15	11/02/14 15:52	7440-22-4	
Thallium	ND	ug/L	100	1	10/30/14 09:15	11/02/14 15:52	7440-28-0	
Zinc	2620	ug/L	250	1	10/30/14 09:15	11/02/14 15:52	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND	ug/L	375	1	11/05/14 08:45	11/05/14 14:21	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	11/05/14 08:45	11/05/14 14:21	7440-36-0	
Arsenic, Dissolved	253	ug/L	50.0	1	11/05/14 08:45	11/05/14 14:21	7440-38-2	
Beryllium, Dissolved	ND	ug/L	5.0	1	11/05/14 08:45	11/05/14 14:21	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	11/05/14 08:45	11/05/14 14:21	7440-43-9	
Chromium, Dissolved	66.1	ug/L	25.0	1	11/05/14 08:45	11/05/14 14:21	7440-47-3	
Cobalt, Dissolved	ND	ug/L	25.0	1	11/05/14 08:45	11/05/14 14:21	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	11/05/14 08:45	11/05/14 14:21	7440-50-8	
Iron, Dissolved	66900	ug/L	250	1	11/05/14 08:45	11/05/14 14:21	7439-89-6	
Lead, Dissolved	ND	ug/L	25.0	1	11/05/14 08:45	11/05/14 14:21	7439-92-1	
Nickel, Dissolved	51.2	ug/L	25.0	1	11/05/14 08:45	11/05/14 14:21	7440-02-0	
Selenium, Dissolved	ND	ug/L	75.0	1	11/05/14 08:45	11/05/14 14:21	7782-49-2	
Silver, Dissolved	ND	ug/L	35.0	1	11/05/14 08:45	11/05/14 14:21	7440-22-4	
Thallium, Dissolved	ND	ug/L	100	1	11/05/14 08:45	11/05/14 14:21	7440-28-0	
Zinc, Dissolved	ND	ug/L	250	1	11/05/14 08:45	11/05/14 14:21	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	6.0	1	10/30/14 08:45	10/30/14 14:03	7439-97-6	1e,M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND	ug/L	6.0	1	11/05/14 09:00	11/05/14 12:49	7439-97-6	M1
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND	ug/L	25.0	1	10/30/14 00:00	10/31/14 11:02	534-52-1	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	10/30/14 00:00	10/31/14 11:02	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	5.0	1	10/30/14 00:00	10/31/14 11:02	77-47-4	
Hexachloroethane	ND	ug/L	5.0	1	10/30/14 00:00	10/31/14 11:02	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/30/14 00:00	10/31/14 11:02	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.0	1	10/30/14 00:00	10/31/14 11:02		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

Sample: T1-050	Lab ID: 60181384001	Collected: 10/28/14 09:47	Received: 10/29/14 03:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		5.0	1	10/30/14 00:00	10/31/14 11:02	91-20-3	
Nitrobenzene	ND ug/L		5.0	1	10/30/14 00:00	10/31/14 11:02	98-95-3	
Pentachlorophenol	ND ug/L		5.0	1	10/30/14 00:00	10/31/14 11:02	87-86-5	L3
Phenol	15.3 ug/L		5.0	1	10/30/14 00:00	10/31/14 11:02	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1	10/30/14 00:00	10/31/14 11:02	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		5.0	1	10/30/14 00:00	10/31/14 11:02	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	74 %		33-120	1	10/30/14 00:00	10/31/14 11:02	4165-60-0	
2-Fluorobiphenyl (S)	73 %		39-120	1	10/30/14 00:00	10/31/14 11:02	321-60-8	
Terphenyl-d14 (S)	79 %		45-120	1	10/30/14 00:00	10/31/14 11:02	1718-51-0	
Phenol-d6 (S)	20 %		11-120	1	10/30/14 00:00	10/31/14 11:02	13127-88-3	
2-Fluorophenol (S)	29 %		17-120	1	10/30/14 00:00	10/31/14 11:02	367-12-4	
2,4,6-Tribromophenol (S)	76 %		39-120	1	10/30/14 00:00	10/31/14 11:02	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	63100 ug/L		1000	100		10/30/14 07:44	67-64-1	N2
Benzene	ND ug/L		100	100		10/30/14 07:44	71-43-2	
Bromodichloromethane	ND ug/L		100	100		10/30/14 07:44	75-27-4	
Bromoform	ND ug/L		100	100		10/30/14 07:44	75-25-2	
Bromomethane	ND ug/L		500	100		10/30/14 07:44	74-83-9	
2-Butanone (MEK)	26000 ug/L		1000	100		10/30/14 07:44	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		10/30/14 07:44	56-23-5	
Chloroethane	ND ug/L		100	100		10/30/14 07:44	75-00-3	
Chloroform	ND ug/L		100	100		10/30/14 07:44	67-66-3	
1,4-Dichlorobenzene	ND ug/L		100	100		10/30/14 07:44	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		10/30/14 07:44	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/30/14 07:44	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		10/30/14 07:44	156-60-5	
Ethylbenzene	ND ug/L		100	100		10/30/14 07:44	100-41-4	
Methylene chloride	ND ug/L		100	100		10/30/14 07:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/30/14 07:44	108-10-1	N2
1,1,2-Tetrachloroethane	ND ug/L		100	100		10/30/14 07:44	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		10/30/14 07:44	127-18-4	
Toluene	ND ug/L		100	100		10/30/14 07:44	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/30/14 07:44	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		10/30/14 07:44	79-00-5	
Trichloroethene	ND ug/L		100	100		10/30/14 07:44	79-01-6	
Vinyl chloride	ND ug/L		100	100		10/30/14 07:44	75-01-4	
Xylene (Total)	ND ug/L		300	100		10/30/14 07:44	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	96 %		80-120	100		10/30/14 07:44	460-00-4	
Toluene-d8 (S)	99 %		80-120	100		10/30/14 07:44	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	100		10/30/14 07:44	17060-07-0	
Preservation pH	6.0		1.0	100		10/30/14 07:44		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	79.6 mg/L		5.0	1		11/03/14 08:35		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

Sample: T1-050		Lab ID: 60181384001	Collected: 10/28/14 09:47	Received: 10/29/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	12.0	mg/L	5.0	1		11/03/14 08:44		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	4580	mg/L	5.0	1		10/31/14 10:43		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.6	Std. Units	0.10	1		10/30/14 18:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	6580	mg/L	2.0	1	10/29/14 15:12	11/03/14 12:56		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	149	mg/L	5.0	50		10/31/14 12:37	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	17400	mg/L	2500	250		11/05/14 06:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

Sample: TRIP BLANK		Lab ID: 60181384002	Collected:	Received: 10/29/14 03:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		10/30/14 06:34	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/30/14 06:34	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/30/14 06:34	75-27-4	
Bromoform	ND ug/L		1.0	1		10/30/14 06:34	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/30/14 06:34	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/30/14 06:34	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/30/14 06:34	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/30/14 06:34	75-00-3	
Chloroform	ND ug/L		1.0	1		10/30/14 06:34	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/30/14 06:34	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/30/14 06:34	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/30/14 06:34	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/30/14 06:34	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/30/14 06:34	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/30/14 06:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/30/14 06:34	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/30/14 06:34	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/30/14 06:34	127-18-4	
Toluene	ND ug/L		1.0	1		10/30/14 06:34	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/30/14 06:34	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/30/14 06:34	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/30/14 06:34	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/30/14 06:34	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/30/14 06:34	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	95 %		80-120	1		10/30/14 06:34	460-00-4	
Toluene-d8 (S)	101 %		80-120	1		10/30/14 06:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	1		10/30/14 06:34	17060-07-0	
Preservation pH	6.0		1.0	1		10/30/14 06:34		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch: MERP/8988

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60181384001

METHOD BLANK: 1469770

Matrix: Water

Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/30/14 13:56	

LABORATORY CONTROL SAMPLE: 1469771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1469772 1469773

Parameter	Units	60181384001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury	ug/L	ND	150	150	3.8J	3.8J	3	3	70-130		20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch: MERP/9007

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60181384001

METHOD BLANK: 1472916

Matrix: Water

Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	11/05/14 12:44	

LABORATORY CONTROL SAMPLE: 1472917

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.6	92	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1472918 1472919

Parameter	Units	60181384001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	94.5	89.4	63	60	70-130	6	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch:	MPRP/29569	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	60181384001		

METHOD BLANK: 1469963 Matrix: Water

Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	11/02/14 14:39	
Antimony	ug/L	ND	10.0	11/02/14 14:39	
Arsenic	ug/L	ND	10.0	11/02/14 14:39	
Beryllium	ug/L	ND	1.0	11/02/14 14:39	
Cadmium	ug/L	ND	5.0	11/02/14 14:39	
Chromium	ug/L	ND	5.0	11/02/14 14:39	
Cobalt	ug/L	ND	5.0	11/02/14 14:39	
Copper	ug/L	ND	10.0	11/02/14 14:39	
Iron	ug/L	ND	50.0	11/02/14 14:39	
Lead	ug/L	ND	5.0	11/02/14 14:39	
Nickel	ug/L	ND	5.0	11/02/14 14:39	
Selenium	ug/L	ND	15.0	11/02/14 14:39	
Silver	ug/L	ND	7.0	11/02/14 14:39	
Thallium	ug/L	ND	20.0	11/02/14 14:39	
Zinc	ug/L	ND	50.0	11/02/14 14:39	

LABORATORY CONTROL SAMPLE: 1469964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9940	99	85-115	
Antimony	ug/L	1000	1000	100	85-115	
Arsenic	ug/L	1000	957	96	85-115	
Beryllium	ug/L	1000	1020	102	85-115	
Cadmium	ug/L	1000	993	99	85-115	
Chromium	ug/L	1000	976	98	85-115	
Cobalt	ug/L	1000	1010	101	85-115	
Copper	ug/L	1000	979	98	85-115	
Iron	ug/L	10000	10200	102	85-115	
Lead	ug/L	1000	1020	102	85-115	
Nickel	ug/L	1000	1020	102	85-115	
Selenium	ug/L	1000	985	98	85-115	
Silver	ug/L	500	487	97	85-115	
Thallium	ug/L	1000	1030	103	85-115	
Zinc	ug/L	1000	1000	100	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1469965												1469966											
Parameter	Units	60181408001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual											
			Spike Conc.	Spike Conc.																			
Aluminum	ug/L		10000	10000	11200	11000	99	98	70-130	1	20												
Antimony	ug/L		1000	1000	994	983	99	98	70-130	1	20												
Arsenic	ug/L	ND	1000	1000	979	975	97	97	70-130	0	20												
Beryllium	ug/L		1000	1000	1020	1020	102	102	70-130	1	20												
Cadmium	ug/L	ND	1000	1000	985	980	98	98	70-130	0	20												
Chromium	ug/L	ND	1000	1000	956	942	95	94	70-130	1	20												
Cobalt	ug/L		1000	1000	963	958	96	96	70-130	1	20												
Copper	ug/L	71.4	1000	1000	1040	1020	97	95	70-130	1	20												
Iron	ug/L		10000	10000	11200	11200	96	95	70-130	1	20												
Lead	ug/L	8.4	1000	1000	950	954	94	95	70-130	0	20												
Nickel	ug/L	8.5	1000	1000	974	970	97	96	70-130	0	20												
Selenium	ug/L	ND	1000	1000	448	452	45	45	70-130	1	20	M1											
Silver	ug/L	ND	500	500	488	482	98	96	70-130	1	20												
Thallium	ug/L		1000	1000	908	903	91	90	70-130	1	20												
Zinc	ug/L	342	1000	1000	1270	1260	93	92	70-130	0	20												

MATRIX SPIKE SAMPLE: 1469967											
Parameter	Units	60181384001 Result	Spike Conc.	MS	MS	% Rec Limits	Qualifiers				
				Result	% Rec						
Aluminum	ug/L	8420	50000	62500	108	70-130					
Antimony	ug/L	ND	5000	5040	100	70-130					
Arsenic	ug/L	396	5000	5480	102	70-130					
Beryllium	ug/L	ND	5000	4990	100	70-130					
Cadmium	ug/L	ND	5000	5000	100	70-130					
Chromium	ug/L	118	5000	4830	94	70-130					
Cobalt	ug/L	ND	5000	4770	95	70-130					
Copper	ug/L	ND	5000	4820	96	70-130					
Iron	ug/L	315000	50000	386000	140	70-130	M1				
Lead	ug/L	73.0	5000	4710	93	70-130					
Nickel	ug/L	69.8	5000	4850	96	70-130					
Selenium	ug/L	ND	5000	5240	105	70-130					
Silver	ug/L	ND	2500	2500	100	70-130					
Thallium	ug/L	ND	5000	4260	85	70-130					
Zinc	ug/L	2620	5000	7460	97	70-130					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch: MPRP/29648

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60181384001

METHOD BLANK: 1473036

Matrix: Water

Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	11/05/14 14:14	
Antimony, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Arsenic, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Beryllium, Dissolved	ug/L	ND	1.0	11/05/14 14:14	
Cadmium, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Chromium, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Cobalt, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Copper, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Iron, Dissolved	ug/L	ND	50.0	11/05/14 14:14	
Lead, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Nickel, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Selenium, Dissolved	ug/L	ND	15.0	11/05/14 14:14	
Silver, Dissolved	ug/L	ND	7.0	11/05/14 14:14	
Thallium, Dissolved	ug/L	ND	20.0	11/05/14 14:14	
Zinc, Dissolved	ug/L	ND	50.0	11/05/14 14:14	

LABORATORY CONTROL SAMPLE: 1473037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9960	100	85-115	
Antimony, Dissolved	ug/L	1000	1010	101	85-115	
Arsenic, Dissolved	ug/L	1000	959	96	85-115	
Beryllium, Dissolved	ug/L	1000	988	99	85-115	
Cadmium, Dissolved	ug/L	1000	996	100	85-115	
Chromium, Dissolved	ug/L	1000	986	99	85-115	
Cobalt, Dissolved	ug/L	1000	1020	102	85-115	
Copper, Dissolved	ug/L	1000	994	99	85-115	
Iron, Dissolved	ug/L	10000	9970	100	85-115	
Lead, Dissolved	ug/L	1000	1010	101	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	982	98	85-115	
Silver, Dissolved	ug/L	500	484	97	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	983	98	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

Parameter	Units	1473038		1473039		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		60181384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Aluminum, Dissolved	ug/L	ND	50000	50000	50100	50400	100	100	70-130	0	20	
Antimony, Dissolved	ug/L	ND	5000	5000	5180	5220	104	104	70-130	1	20	
Arsenic, Dissolved	ug/L	253	5000	5000	5340	5420	102	103	70-130	1	20	
Beryllium, Dissolved	ug/L	ND	5000	5000	4960	4950	99	99	70-130	0	20	
Cadmium, Dissolved	ug/L	ND	5000	5000	5120	5160	102	103	70-130	1	20	
Chromium, Dissolved	ug/L	66.1	5000	5000	5050	5050	100	100	70-130	0	20	
Cobalt, Dissolved	ug/L	ND	5000	5000	4980	4990	99	100	70-130	0	20	
Copper, Dissolved	ug/L	ND	5000	5000	5060	5080	101	102	70-130	0	20	
Iron, Dissolved	ug/L	66900	50000	50000	110000	117000	85	100	70-130	6	20	
Lead, Dissolved	ug/L	ND	5000	5000	4810	4790	96	96	70-130	0	20	
Nickel, Dissolved	ug/L	51.2	5000	5000	5000	5010	99	99	70-130	0	20	
Selenium, Dissolved	ug/L	ND	5000	5000	5230	5280	105	106	70-130	1	20	
Silver, Dissolved	ug/L	ND	2500	2500	2570	2580	103	103	70-130	0	20	
Thallium, Dissolved	ug/L	ND	5000	5000	4590	4560	92	91	70-130	0	20	
Zinc, Dissolved	ug/L	ND	5000	5000	4950	4950	97	97	70-130	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch: MSV/65420 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60181384001, 60181384002

METHOD BLANK: 1469525 Matrix: Water

Associated Lab Samples: 60181384001, 60181384002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/30/14 05:37	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,2-Dichloroethane	ug/L	ND	1.0	10/30/14 05:37	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/30/14 05:37	
2-Butanone (MEK)	ug/L	ND	10.0	10/30/14 05:37	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/30/14 05:37	N2
Acetone	ug/L	ND	10.0	10/30/14 05:37	N2
Benzene	ug/L	ND	1.0	10/30/14 05:37	
Bromodichloromethane	ug/L	ND	1.0	10/30/14 05:37	
Bromoform	ug/L	ND	1.0	10/30/14 05:37	
Bromomethane	ug/L	ND	5.0	10/30/14 05:37	
Carbon tetrachloride	ug/L	ND	1.0	10/30/14 05:37	
Chloroethane	ug/L	ND	1.0	10/30/14 05:37	
Chloroform	ug/L	ND	1.0	10/30/14 05:37	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/30/14 05:37	N2
Ethylbenzene	ug/L	ND	1.0	10/30/14 05:37	
Methylene chloride	ug/L	ND	1.0	10/30/14 05:37	
Tetrachloroethene	ug/L	ND	1.0	10/30/14 05:37	
Toluene	ug/L	ND	1.0	10/30/14 05:37	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/30/14 05:37	
Trichloroethene	ug/L	ND	1.0	10/30/14 05:37	
Vinyl chloride	ug/L	ND	1.0	10/30/14 05:37	
Xylene (Total)	ug/L	ND	3.0	10/30/14 05:37	N2
1,2-Dichloroethane-d4 (S)	%	105	80-120	10/30/14 05:37	
4-Bromofluorobenzene (S)	%	96	80-120	10/30/14 05:37	
Toluene-d8 (S)	%	99	80-120	10/30/14 05:37	

LABORATORY CONTROL SAMPLE: 1469526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.3	102	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	17.6	88	67-127	N2
1,1,2-Trichloroethane	ug/L	20	19.9	100	67-124	
1,2-Dichloroethane	ug/L	20	19.9	100	70-126	
1,4-Dichlorobenzene	ug/L	20	19.1	95	74-120	
2-Butanone (MEK)	ug/L	100	94.9	95	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.4	99	59-131	N2
Acetone	ug/L	100	92.8	93	38-134	N2
Benzene	ug/L	20	20.1	100	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

LABORATORY CONTROL SAMPLE: 1469526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	21.0	105	68-125	
Bromoform	ug/L	20	20.1	101	65-127	
Bromomethane	ug/L	20	11.8	59	13-157	
Carbon tetrachloride	ug/L	20	20.3	101	70-131	
Chloroethane	ug/L	20	18.0	90	47-133	
Chloroform	ug/L	20	21.3	106	65-127	
cis-1,2-Dichloroethene	ug/L	20	22.3	111	68-127	N2
Ethylbenzene	ug/L	20	21.3	107	74-122	
Methylene chloride	ug/L	20	19.3	97	64-129	
Tetrachloroethene	ug/L	20	19.7	99	73-125	
Toluene	ug/L	20	20.0	100	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.3	101	66-129	
Trichloroethene	ug/L	20	20.7	104	71-123	
Vinyl chloride	ug/L	20	13.8	69	43-129	
Xylene (Total)	ug/L	60	67.1	112	75-121	N2
1,2-Dichloroethane-d4 (S)	%			102	80-120	
4-Bromofluorobenzene (S)	%			97	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1469527

Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	2170	108	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	1810	91	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	1940	97	52-143	
1,2-Dichloroethane	ug/L	ND	2000	1990	99	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	1900	95	33-140	
2-Butanone (MEK)	ug/L	20300	10000	29300	90	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	8860	87	40-160	N2
Acetone	ug/L	50000	10000	58300	83	10-160	N2
Benzene	ug/L	ND	2000	2050	101	37-151	
Bromodichloromethane	ug/L	ND	2000	2040	102	35-142	
Bromoform	ug/L	ND	2000	1900	95	45-142	
Bromomethane	ug/L	ND	2000	1390	70	10-158	
Carbon tetrachloride	ug/L	ND	2000	2270	114	70-140	
Chloroethane	ug/L	ND	2000	1710	86	19-152	
Chloroform	ug/L	ND	2000	2160	108	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	2220	111	34-147	N2
Ethylbenzene	ug/L	ND	2000	2100	105	40-142	
Methylene chloride	ug/L	ND	2000	1920	94	31-144	
Tetrachloroethene	ug/L	ND	2000	2130	106	64-148	
Toluene	ug/L	ND	2000	2050	100	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	2200	110	54-151	
Trichloroethene	ug/L	ND	2000	2050	102	71-149	
Vinyl chloride	ug/L	ND	2000	1630	82	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

MATRIX SPIKE SAMPLE:		1469527					
Parameter	Units	60181268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	6590	110	37-144	N2
1,2-Dichloroethane-d4 (S)	%				102	80-120	
4-Bromofluorobenzene (S)	%				98	80-120	HS
Toluene-d8 (S)	%				99	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch:	OEXT/46905	Analysis Method:	EPA 625
QC Batch Method:	EPA 625	Analysis Description:	625 MSS
Associated Lab Samples:	60181384001		

METHOD BLANK: 1469904 Matrix: Water

Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/31/14 08:56	
2,4,6-Trichlorophenol	ug/L	ND	5.0	10/31/14 08:56	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/31/14 08:56	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	10/31/14 08:56	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	10/31/14 08:56	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/31/14 08:56	
Hexachlorocyclopentadiene	ug/L	ND	5.0	10/31/14 08:56	
Hexachloroethane	ug/L	ND	5.0	10/31/14 08:56	
Naphthalene	ug/L	ND	5.0	10/31/14 08:56	
Nitrobenzene	ug/L	ND	5.0	10/31/14 08:56	
Pentachlorophenol	ug/L	ND	5.0	10/31/14 08:56	
Phenol	ug/L	ND	5.0	10/31/14 08:56	
2,4,6-Tribromophenol (S)	%	91	39-120	10/31/14 08:56	
2-Fluorobiphenyl (S)	%	92	39-120	10/31/14 08:56	
2-Fluorophenol (S)	%	50	17-120	10/31/14 08:56	
Nitrobenzene-d5 (S)	%	90	33-120	10/31/14 08:56	
Phenol-d6 (S)	%	31	11-120	10/31/14 08:56	
Terphenyl-d14 (S)	%	96	45-120	10/31/14 08:56	

LABORATORY CONTROL SAMPLE: 1469905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	45.1	90	46-120	
2,4,6-Trichlorophenol	ug/L	50	49.1	98	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	36.2	72	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.4	67	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	53.5	107	40-133	
Hexachloro-1,3-butadiene	ug/L	50	44.4	89	44-116	
Hexachlorocyclopentadiene	ug/L	100	51.7	52	24-120	
Hexachloroethane	ug/L	50	41.9	84	43-113	
Naphthalene	ug/L	50	45.3	91	48-120	
Nitrobenzene	ug/L	50	46.4	93	48-120	
Pentachlorophenol	ug/L	50	72.4	145	47-120	L0
Phenol	ug/L	50	21.2	42	16-112	
2,4,6-Tribromophenol (S)	%			100	39-120	
2-Fluorobiphenyl (S)	%			98	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			91	33-120	
Phenol-d6 (S)	%			33	11-120	
Terphenyl-d14 (S)	%			98	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

MATRIX SPIKE SAMPLE:		1469906					
Parameter	Units	60181125002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	42.2	84	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	43.9	88	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.5	63	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	29.8	60	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	42.7	85	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	43.1	86	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	49.8	50	11-120	
Hexachloroethane	ug/L	ND	50	38.5	77	40-113	
Naphthalene	ug/L	ND	50	42.2	84	45-120	
Nitrobenzene	ug/L	ND	50	42.5	85	38-120	
Pentachlorophenol	ug/L	ND	50	63.3	127	43-135	
Phenol	ug/L	ND	50	15.8	32	13-112	
2,4,6-Tribromophenol (S)	%				88	39-120	
2-Fluorobiphenyl (S)	%				87	39-120	
2-Fluorophenol (S)	%				41	17-120	
Nitrobenzene-d5 (S)	%				82	33-120	
Phenol-d6 (S)	%				28	11-120	
Terphenyl-d14 (S)	%				92	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch:	WET/51311	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60181384001		

METHOD BLANK: 1471903 Matrix: Water

Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	11/03/14 08:35	

LABORATORY CONTROL SAMPLE: 1471904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.0	98	78-114	

MATRIX SPIKE SAMPLE: 1471906

Parameter	Units	60181590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	41.2	42.7	95	78-114	

SAMPLE DUPLICATE: 1471905

Parameter	Units	60181494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	41.2	40.8	1	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch:	WET/51312	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60181384001		

METHOD BLANK: 1471911 Matrix: Water
Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	11/03/14 08:43	

LABORATORY CONTROL SAMPLE: 1471912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.5	117	64-132	

MATRIX SPIKE SAMPLE: 1471914

Parameter	Units	60181590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	21.1	90	64-132	

SAMPLE DUPLICATE: 1471913

Parameter	Units	60181494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	5.6	6.4	13	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch:	WET/51289	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60181384001		

METHOD BLANK: 1470811 Matrix: Water

Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/31/14 10:37	

SAMPLE DUPLICATE: 1470812

Parameter	Units	60181386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	52.0	48.0	8	10	

SAMPLE DUPLICATE: 1470813

Parameter	Units	60181332001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch: WET/51282 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60181384001

SAMPLE DUPLICATE: 1470690

Parameter	Units	60181268001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.3	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch: WET/51239

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60181384001

METHOD BLANK: 1469622

Matrix: Water

Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	11/03/14 12:03	

LABORATORY CONTROL SAMPLE: 1469623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	179	90	85-115	

SAMPLE DUPLICATE: 1469624

Parameter	Units	60181385001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	406	408	0	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

QC Batch: WETA/31605

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 60181384001

METHOD BLANK: 1470803

Matrix: Water

Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/31/14 12:25	

LABORATORY CONTROL SAMPLE: 1470804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 1470805

Parameter	Units	60181381005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.30	2	2.1	90	90-110	

MATRIX SPIKE SAMPLE: 1470806

Parameter	Units	60181382003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1.5	2	3.2	89	90-110	M1

SAMPLE DUPLICATE: 1470807

Parameter	Units	60181421001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-050
Pace Project No.: 60181384

QC Batch: WETA/31658 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 60181384001

METHOD BLANK: 1472430 Matrix: Water
Associated Lab Samples: 60181384001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	11/05/14 06:24	

LABORATORY CONTROL SAMPLE: 1472431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	53.8	108	90-110	

MATRIX SPIKE SAMPLE: 1472432

Parameter	Units	60181094002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	55.7	50	98.9	86	90-110	M1

MATRIX SPIKE SAMPLE: 1472434

Parameter	Units	60181444001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	2080	1250	3140	85	90-110	M1

SAMPLE DUPLICATE: 1472433

Parameter	Units	60181353001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	6770	7000	3	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- 1e A post digestion spike was performed. Recovery was 83%.
- H6 Analysis initiated outside of the 15 minute EPA recommended holding time.
- HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-050

Pace Project No.: 60181384

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60181384001	T1-050	EPA 200.7	MPRP/29569	EPA 200.7	ICP/22188
60181384001	T1-050	EPA 200.7	MPRP/29648	EPA 200.7	ICP/22232
60181384001	T1-050	EPA 245.1	MERP/8988	EPA 245.1	MERC/8941
60181384001	T1-050	EPA 245.1	MERP/9007	EPA 245.1	MERC/8960
60181384001	T1-050	EPA 625	OEXT/46905	EPA 625	MSSV/15097
60181384001	T1-050	EPA 624 Low	MSV/65420		
60181384002	TRIP BLANK	EPA 624 Low	MSV/65420		
60181384001	T1-050	EPA 1664A	WET/51311		
60181384001	T1-050	EPA 1664A	WET/51312		
60181384001	T1-050	SM 2540D	WET/51289		
60181384001	T1-050	SM 4500-H+B	WET/51282		
60181384001	T1-050	SM 5210B	WET/51239	SM 5210B	WET/51321
60181384001	T1-050	EPA 350.1	WETA/31605		
60181384001	T1-050	EPA 410.4	WETA/31658		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60181384
Barcode: 60181384

Client Name: Barr

Courier: Fed Ex [] UPS [] USPS [] Client [] Commercial [] Pace [] Other [x] Xroad

Tracking #: Pace Shipping Label Used? Yes [] No [x]

Custody Seal on Cooler/Box Present: Yes [x] No [] Seals intact: Yes [x] No []

Packing Material: Bubble Wrap [] Bubble Bags [x] Foam [x] None [] Other [x] ZPIC

Thermometer Used: T-239 / T-194 Type of Ice: Wet [x] Blue [] None [] Samples received on ice, cooling process has begun.

Cooler Temperature: 2-8

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: 10/29/14

Temperature should be above freezing to 6°C

Table with 17 rows and 3 columns: Question, Yes/No/N/A checkboxes, and numerical/notes column. Includes items like Chain of Custody, Short Hold Time analyses, and Project sampled in USDA Regulated Area.

Client Notification/ Resolution: Copy COC to Client? Y / [x] N Field Data Required? Y / [x] N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: [Signature] Date: 10/30/14

November 06, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

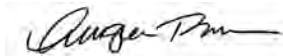
RE: Project: BRIDGETON LF T1-051
Pace Project No.: 60181494

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 30, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60181494001	T1-051	Water	10/29/14 10:49	10/30/14 02:30
60181494002	TRIP BLANK	Water		10/30/14 02:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60181494001	T1-051	EPA 200.7	NDJ, SMW	15
		EPA 200.7	SMW	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	ESM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60181494002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

Sample: T1-051	Lab ID: 60181494001	Collected: 10/29/14 10:49	Received: 10/30/14 02:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	8300 ug/L		375	1	11/03/14 09:45	11/04/14 17:47	7429-90-5	
Antimony	ND ug/L		50.0	1	11/03/14 09:45	11/04/14 17:47	7440-36-0	
Arsenic	424 ug/L		50.0	1	11/03/14 09:45	11/04/14 17:47	7440-38-2	
Beryllium	ND ug/L		5.0	1	11/03/14 09:45	11/04/14 17:47	7440-41-7	
Cadmium	ND ug/L		25.0	1	11/03/14 09:45	11/04/14 17:47	7440-43-9	
Chromium	125 ug/L		25.0	1	11/03/14 09:45	11/04/14 17:47	7440-47-3	
Cobalt	ND ug/L		25.0	1	11/03/14 09:45	11/04/14 17:47	7440-48-4	
Copper	ND ug/L		50.0	1	11/03/14 09:45	11/04/14 17:47	7440-50-8	
Iron	339000 ug/L		250	1	11/03/14 09:45	11/06/14 12:03	7439-89-6	M1
Lead	74.6 ug/L		25.0	1	11/03/14 09:45	11/04/14 17:47	7439-92-1	
Nickel	71.0 ug/L		25.0	1	11/03/14 09:45	11/04/14 17:47	7440-02-0	
Selenium	ND ug/L		75.0	1	11/03/14 09:45	11/04/14 17:47	7782-49-2	
Silver	ND ug/L		35.0	1	11/03/14 09:45	11/04/14 17:47	7440-22-4	
Thallium	ND ug/L		100	1	11/03/14 09:45	11/04/14 17:47	7440-28-0	
Zinc	2720 ug/L		250	1	11/03/14 09:45	11/04/14 17:47	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	11/05/14 08:45	11/05/14 14:32	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	11/05/14 08:45	11/05/14 14:32	7440-36-0	
Arsenic, Dissolved	260 ug/L		50.0	1	11/05/14 08:45	11/05/14 14:32	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	11/05/14 08:45	11/05/14 14:32	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	11/05/14 08:45	11/05/14 14:32	7440-43-9	
Chromium, Dissolved	65.4 ug/L		25.0	1	11/05/14 08:45	11/05/14 14:32	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	11/05/14 08:45	11/05/14 14:32	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	11/05/14 08:45	11/05/14 14:32	7440-50-8	
Iron, Dissolved	56400 ug/L		250	1	11/05/14 08:45	11/05/14 14:32	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	11/05/14 08:45	11/05/14 14:32	7439-92-1	
Nickel, Dissolved	50.8 ug/L		25.0	1	11/05/14 08:45	11/05/14 14:32	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	11/05/14 08:45	11/05/14 14:32	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	11/05/14 08:45	11/05/14 14:32	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	11/05/14 08:45	11/05/14 14:32	7440-28-0	
Zinc, Dissolved	ND ug/L		250	1	11/05/14 08:45	11/05/14 14:32	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		6.0	1	11/03/14 10:25	11/04/14 09:44	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	11/05/14 09:00	11/05/14 12:55	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	11/01/14 00:00	11/04/14 08:00	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	11/01/14 00:00	11/04/14 08:00	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	11/01/14 00:00	11/04/14 08:00	77-47-4	
Hexachloroethane	ND ug/L		500	1	11/01/14 00:00	11/04/14 08:00	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	11/01/14 00:00	11/04/14 08:00	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND ug/L		2000	1	11/01/14 00:00	11/04/14 08:00		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

Sample: T1-051	Lab ID: 60181494001	Collected: 10/29/14 10:49	Received: 10/30/14 02:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	11/01/14 00:00	11/04/14 08:00	91-20-3	
Nitrobenzene	ND ug/L		500	1	11/01/14 00:00	11/04/14 08:00	98-95-3	
Pentachlorophenol	ND ug/L		500	1	11/01/14 00:00	11/04/14 08:00	87-86-5	
Phenol	2550 ug/L		500	1	11/01/14 00:00	11/04/14 08:00	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	11/01/14 00:00	11/04/14 08:00	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	11/01/14 00:00	11/04/14 08:00	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	95 %		33-120	1	11/01/14 00:00	11/04/14 08:00	4165-60-0	
2-Fluorobiphenyl (S)	84 %		39-120	1	11/01/14 00:00	11/04/14 08:00	321-60-8	
Terphenyl-d14 (S)	96 %		45-120	1	11/01/14 00:00	11/04/14 08:00	1718-51-0	
Phenol-d6 (S)	32 %		11-120	1	11/01/14 00:00	11/04/14 08:00	13127-88-3	
2-Fluorophenol (S)	46 %		17-120	1	11/01/14 00:00	11/04/14 08:00	367-12-4	
2,4,6-Tribromophenol (S)	89 %		39-120	1	11/01/14 00:00	11/04/14 08:00	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Vinyl chloride	ND ug/L		100	100		10/31/14 09:48	75-01-4	
Bromomethane	ND ug/L		500	100		10/31/14 09:48	74-83-9	
Chloroethane	ND ug/L		100	100		10/31/14 09:48	75-00-3	
Methylene chloride	ND ug/L		100	100		10/31/14 09:48	75-09-2	
trans-1,2-Dichloroethene	ND ug/L		100	100		10/31/14 09:48	156-60-5	
cis-1,2-Dichloroethene	ND ug/L		100	100		10/31/14 09:48	156-59-2	N2
Chloroform	ND ug/L		100	100		10/31/14 09:48	67-66-3	
1,1,1-Trichloroethane	ND ug/L		100	100		10/31/14 09:48	71-55-6	
Carbon tetrachloride	ND ug/L		100	100		10/31/14 09:48	56-23-5	
Benzene	ND ug/L		100	100		10/31/14 09:48	71-43-2	
1,2-Dichloroethane	ND ug/L		100	100		10/31/14 09:48	107-06-2	
Trichloroethene	ND ug/L		100	100		10/31/14 09:48	79-01-6	
Bromodichloromethane	ND ug/L		100	100		10/31/14 09:48	75-27-4	
Toluene	ND ug/L		100	100		10/31/14 09:48	108-88-3	
1,1,2-Trichloroethane	ND ug/L		100	100		10/31/14 09:48	79-00-5	
Tetrachloroethene	ND ug/L		100	100		10/31/14 09:48	127-18-4	
Ethylbenzene	ND ug/L		100	100		10/31/14 09:48	100-41-4	
Bromoform	ND ug/L		100	100		10/31/14 09:48	75-25-2	
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		10/31/14 09:48	79-34-5	N2
1,4-Dichlorobenzene	ND ug/L		100	100		10/31/14 09:48	106-46-7	
Acetone	48800 ug/L		1000	100		10/31/14 09:48	67-64-1	N2
2-Butanone (MEK)	21300 ug/L		1000	100		10/31/14 09:48	78-93-3	N2
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		10/31/14 09:48	108-10-1	N2
Xylene (Total)	ND ug/L		300	100		10/31/14 09:48	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	94 %		80-120	100		10/31/14 09:48	460-00-4	
Toluene-d8 (S)	99 %		80-120	100		10/31/14 09:48	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	100		10/31/14 09:48	17060-07-0	
Preservation pH	6.0		1.0	100		10/31/14 09:48		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	41.2 mg/L		5.0	1		11/03/14 08:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

Sample: T1-051		Lab ID: 60181494001	Collected: 10/29/14 10:49	Received: 10/30/14 02:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	5.6	mg/L	5.0	1		11/03/14 08:44		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3240	mg/L	5.0	1		10/31/14 10:43		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.6	Std. Units	0.10	1		10/30/14 18:00		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	7140	mg/L	2.0	1	10/30/14 15:55	11/04/14 16:37		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	190	mg/L	5.0	50		10/31/14 12:59	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	18100	mg/L	2500	250		11/05/14 06:28		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

Sample: TRIP BLANK		Lab ID: 60181494002	Collected:	Received: 10/30/14 02:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND ug/L		10.0	1		11/03/14 20:41	67-64-1	N2
Benzene	ND ug/L		1.0	1		10/31/14 10:17	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		10/31/14 10:17	75-27-4	
Bromoform	ND ug/L		1.0	1		10/31/14 10:17	75-25-2	
Bromomethane	ND ug/L		5.0	1		10/31/14 10:17	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		10/31/14 10:17	78-93-3	N2
Carbon tetrachloride	ND ug/L		1.0	1		10/31/14 10:17	56-23-5	
Chloroethane	ND ug/L		1.0	1		10/31/14 10:17	75-00-3	
Chloroform	ND ug/L		1.0	1		10/31/14 10:17	67-66-3	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/31/14 10:17	106-46-7	
1,2-Dichloroethane	ND ug/L		1.0	1		10/31/14 10:17	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/31/14 10:17	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/31/14 10:17	156-60-5	
Ethylbenzene	ND ug/L		1.0	1		10/31/14 10:17	100-41-4	
Methylene chloride	ND ug/L		1.0	1		10/31/14 10:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		10/31/14 10:17	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/31/14 10:17	79-34-5	N2
Tetrachloroethene	ND ug/L		1.0	1		10/31/14 10:17	127-18-4	
Toluene	ND ug/L		1.0	1		10/31/14 10:17	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/31/14 10:17	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/31/14 10:17	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/31/14 10:17	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		10/31/14 10:17	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		10/31/14 10:17	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	97 %		80-120	1		10/31/14 10:17	460-00-4	
Toluene-d8 (S)	97 %		80-120	1		10/31/14 10:17	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		80-120	1		10/31/14 10:17	17060-07-0	
Preservation pH	6.0		1.0	1		10/31/14 10:17		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051
Pace Project No.: 60181494

QC Batch: MERP/8999 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 60181494001

METHOD BLANK: 1471915 Matrix: Water
Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	11/04/14 09:39	

LABORATORY CONTROL SAMPLE: 1471916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1471917 1471918

Parameter	Units	60181494001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	150	150	99.3	92.4	64	60	70-130	7	20	M1

MATRIX SPIKE SAMPLE: 1471919

Parameter	Units	60181667001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L		18.1	150	116	65	70-130 M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

QC Batch: MERP/9007

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60181494001

METHOD BLANK: 1472916

Matrix: Water

Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	11/05/14 12:44	

LABORATORY CONTROL SAMPLE: 1472917

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.6	92	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1472918 1472919

Parameter	Units	60181384001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	94.5	89.4	63	60	70-130	6	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

QC Batch: MPRP/29614

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60181494001

METHOD BLANK: 1471946

Matrix: Water

Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	11/04/14 17:40	
Antimony	ug/L	ND	10.0	11/04/14 17:40	
Arsenic	ug/L	ND	10.0	11/04/14 17:40	
Beryllium	ug/L	ND	1.0	11/04/14 17:40	
Cadmium	ug/L	ND	5.0	11/04/14 17:40	
Chromium	ug/L	ND	5.0	11/04/14 17:40	
Cobalt	ug/L	ND	5.0	11/04/14 17:40	
Copper	ug/L	ND	10.0	11/04/14 17:40	
Iron	ug/L	ND	50.0	11/06/14 11:52	
Lead	ug/L	ND	5.0	11/04/14 17:40	
Nickel	ug/L	ND	5.0	11/04/14 17:40	
Selenium	ug/L	ND	15.0	11/04/14 17:40	
Silver	ug/L	ND	7.0	11/04/14 17:40	
Thallium	ug/L	ND	20.0	11/04/14 17:40	
Zinc	ug/L	ND	50.0	11/04/14 17:40	

LABORATORY CONTROL SAMPLE: 1471947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9820	98	85-115	
Antimony	ug/L	1000	1030	103	85-115	
Arsenic	ug/L	1000	976	98	85-115	
Beryllium	ug/L	1000	971	97	85-115	
Cadmium	ug/L	1000	1010	101	85-115	
Chromium	ug/L	1000	958	96	85-115	
Cobalt	ug/L	1000	1020	102	85-115	
Copper	ug/L	1000	994	99	85-115	
Iron	ug/L	10000	10000	100	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1020	102	85-115	
Selenium	ug/L	1000	1010	101	85-115	
Silver	ug/L	500	487	97	85-115	
Thallium	ug/L	1000	1030	103	85-115	
Zinc	ug/L	1000	959	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1471948												1471949	
Parameter	Units	60181494001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Aluminum	ug/L	8300	50000	50000	62500	63200	108	110	70-130	1	20		
Antimony	ug/L	ND	5000	5000	5360	5420	107	108	70-130	1	20		
Arsenic	ug/L	424	5000	5000	5720	5790	106	107	70-130	1	20		
Beryllium	ug/L	ND	5000	5000	4920	4950	98	99	70-130	0	20		
Cadmium	ug/L	ND	5000	5000	5280	5330	106	107	70-130	1	20		
Chromium	ug/L	125	5000	5000	5040	5060	98	99	70-130	1	20		
Cobalt	ug/L	ND	5000	5000	5000	5030	100	100	70-130	1	20		
Copper	ug/L	ND	5000	5000	5200	5240	104	105	70-130	1	20		
Iron	ug/L	339000	50000	50000	372000	388000	65	98	70-130	4	20	M1	
Lead	ug/L	74.6	5000	5000	4760	4800	94	95	70-130	1	20		
Nickel	ug/L	71.0	5000	5000	5010	5060	99	100	70-130	1	20		
Selenium	ug/L	ND	5000	5000	5440	5520	109	110	70-130	1	20		
Silver	ug/L	ND	2500	2500	2630	2650	105	106	70-130	1	20		
Thallium	ug/L	ND	5000	5000	4450	4470	89	89	70-130	1	20		
Zinc	ug/L	2720	5000	5000	7320	7450	92	95	70-130	2	20		

MATRIX SPIKE SAMPLE: 1471950		60181577001	Spike	MS	MS	% Rec		
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
Aluminum	ug/L	7480	50000	62800	111	70-130		
Antimony	ug/L	ND	5000	5420	108	70-130		
Arsenic	ug/L	384	5000	5760	107	70-130		
Beryllium	ug/L	ND	5000	4920	98	70-130		
Cadmium	ug/L	ND	5000	5300	106	70-130		
Chromium	ug/L	116	5000	5040	98	70-130		
Cobalt	ug/L	ND	5000	5010	100	70-130		
Copper	ug/L	ND	5000	5200	104	70-130		
Iron	ug/L	321000	50000	375000	109	70-130		
Lead	ug/L	71.8	5000	4840	95	70-130		
Nickel	ug/L	69.4	5000	5060	100	70-130		
Selenium	ug/L	ND	5000	5560	111	70-130		
Silver	ug/L	ND	2500	2610	104	70-130		
Thallium	ug/L	ND	5000	4470	89	70-130		
Zinc	ug/L	2520	5000	7300	96	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051
Pace Project No.: 60181494

QC Batch: MPRP/29648 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 60181494001

METHOD BLANK: 1473036 Matrix: Water
Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	11/05/14 14:14	
Antimony, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Arsenic, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Beryllium, Dissolved	ug/L	ND	1.0	11/05/14 14:14	
Cadmium, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Chromium, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Cobalt, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Copper, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Iron, Dissolved	ug/L	ND	50.0	11/05/14 14:14	
Lead, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Nickel, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Selenium, Dissolved	ug/L	ND	15.0	11/05/14 14:14	
Silver, Dissolved	ug/L	ND	7.0	11/05/14 14:14	
Thallium, Dissolved	ug/L	ND	20.0	11/05/14 14:14	
Zinc, Dissolved	ug/L	ND	50.0	11/05/14 14:14	

LABORATORY CONTROL SAMPLE: 1473037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9960	100	85-115	
Antimony, Dissolved	ug/L	1000	1010	101	85-115	
Arsenic, Dissolved	ug/L	1000	959	96	85-115	
Beryllium, Dissolved	ug/L	1000	988	99	85-115	
Cadmium, Dissolved	ug/L	1000	996	100	85-115	
Chromium, Dissolved	ug/L	1000	986	99	85-115	
Cobalt, Dissolved	ug/L	1000	1020	102	85-115	
Copper, Dissolved	ug/L	1000	994	99	85-115	
Iron, Dissolved	ug/L	10000	9970	100	85-115	
Lead, Dissolved	ug/L	1000	1010	101	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	982	98	85-115	
Silver, Dissolved	ug/L	500	484	97	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	983	98	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

Parameter	Units	1473038		1473039		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		60181384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Aluminum, Dissolved	ug/L	ND	50000	50000	50100	50400	100	100	70-130	0	20	
Antimony, Dissolved	ug/L	ND	5000	5000	5180	5220	104	104	70-130	1	20	
Arsenic, Dissolved	ug/L	253	5000	5000	5340	5420	102	103	70-130	1	20	
Beryllium, Dissolved	ug/L	ND	5000	5000	4960	4950	99	99	70-130	0	20	
Cadmium, Dissolved	ug/L	ND	5000	5000	5120	5160	102	103	70-130	1	20	
Chromium, Dissolved	ug/L	66.1	5000	5000	5050	5050	100	100	70-130	0	20	
Cobalt, Dissolved	ug/L	ND	5000	5000	4980	4990	99	100	70-130	0	20	
Copper, Dissolved	ug/L	ND	5000	5000	5060	5080	101	102	70-130	0	20	
Iron, Dissolved	ug/L	66900	50000	50000	110000	117000	85	100	70-130	6	20	
Lead, Dissolved	ug/L	ND	5000	5000	4810	4790	96	96	70-130	0	20	
Nickel, Dissolved	ug/L	51.2	5000	5000	5000	5010	99	99	70-130	0	20	
Selenium, Dissolved	ug/L	ND	5000	5000	5230	5280	105	106	70-130	1	20	
Silver, Dissolved	ug/L	ND	2500	2500	2570	2580	103	103	70-130	0	20	
Thallium, Dissolved	ug/L	ND	5000	5000	4590	4560	92	91	70-130	0	20	
Zinc, Dissolved	ug/L	ND	5000	5000	4950	4950	97	97	70-130	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

QC Batch: MSV/65452 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60181494001, 60181494002

METHOD BLANK: 1470606 Matrix: Water

Associated Lab Samples: 60181494001, 60181494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	10/31/14 06:44	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/31/14 06:44	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	10/31/14 06:44	
1,2-Dichloroethane	ug/L	ND	1.0	10/31/14 06:44	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/31/14 06:44	
2-Butanone (MEK)	ug/L	ND	10.0	10/31/14 06:44	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	10/31/14 06:44	N2
Acetone	ug/L	ND	10.0	10/31/14 06:44	N2
Benzene	ug/L	ND	1.0	10/31/14 06:44	
Bromodichloromethane	ug/L	ND	1.0	10/31/14 06:44	
Bromoform	ug/L	ND	1.0	10/31/14 06:44	
Bromomethane	ug/L	ND	5.0	10/31/14 06:44	
Carbon tetrachloride	ug/L	ND	1.0	10/31/14 06:44	
Chloroethane	ug/L	ND	1.0	10/31/14 06:44	
Chloroform	ug/L	ND	1.0	10/31/14 06:44	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/31/14 06:44	N2
Ethylbenzene	ug/L	ND	1.0	10/31/14 06:44	
Methylene chloride	ug/L	ND	1.0	10/31/14 06:44	
Tetrachloroethene	ug/L	ND	1.0	10/31/14 06:44	
Toluene	ug/L	ND	1.0	10/31/14 06:44	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/31/14 06:44	
Trichloroethene	ug/L	ND	1.0	10/31/14 06:44	
Vinyl chloride	ug/L	ND	1.0	10/31/14 06:44	
Xylene (Total)	ug/L	ND	3.0	10/31/14 06:44	N2
1,2-Dichloroethane-d4 (S)	%	103	80-120	10/31/14 06:44	
4-Bromofluorobenzene (S)	%	93	80-120	10/31/14 06:44	
Toluene-d8 (S)	%	103	80-120	10/31/14 06:44	

LABORATORY CONTROL SAMPLE: 1470607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.0	100	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	16.9	85	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.5	103	67-124	
1,2-Dichloroethane	ug/L	20	19.6	98	70-126	
1,4-Dichlorobenzene	ug/L	20	18.1	90	74-120	
2-Butanone (MEK)	ug/L	100	98.2	98	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.0	99	59-131	N2
Acetone	ug/L	100	94.3	94	38-134	N2
Benzene	ug/L	20	19.4	97	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

LABORATORY CONTROL SAMPLE: 1470607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	20.7	103	68-125	
Bromoform	ug/L	20	20.2	101	65-127	
Bromomethane	ug/L	20	12.0	60	13-157	
Carbon tetrachloride	ug/L	20	20.3	101	70-131	
Chloroethane	ug/L	20	14.6	73	47-133	
Chloroform	ug/L	20	21.3	106	65-127	
cis-1,2-Dichloroethene	ug/L	20	21.0	105	68-127	N2
Ethylbenzene	ug/L	20	20.2	101	74-122	
Methylene chloride	ug/L	20	19.4	97	64-129	
Tetrachloroethene	ug/L	20	20.6	103	73-125	
Toluene	ug/L	20	19.3	96	69-126	
trans-1,2-Dichloroethene	ug/L	20	20.1	100	66-129	
Trichloroethene	ug/L	20	20.3	102	71-123	
Vinyl chloride	ug/L	20	8.8	44	43-129	
Xylene (Total)	ug/L	60	62.6	104	75-121	N2
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			94	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE SAMPLE: 1470608

Parameter	Units	60181494001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	2000	1560	78	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	1250	62	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	2000	1380	69	52-143	
1,2-Dichloroethane	ug/L	ND	2000	1390	69	49-144	
1,4-Dichlorobenzene	ug/L	ND	2000	1350	67	33-140	
2-Butanone (MEK)	ug/L	21300	10000	28000	67	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	7440	72	40-160	N2
Acetone	ug/L	48800	10000	53200	44	10-160	N2
Benzene	ug/L	ND	2000	1520	73	37-151	
Bromodichloromethane	ug/L	ND	2000	1490	74	35-142	
Bromoform	ug/L	ND	2000	1370	68	45-142	
Bromomethane	ug/L	ND	2000	966	48	10-158	
Carbon tetrachloride	ug/L	ND	2000	1600	80	70-140	
Chloroethane	ug/L	ND	2000	1090	54	19-152	
Chloroform	ug/L	ND	2000	1580	79	51-138	
cis-1,2-Dichloroethene	ug/L	ND	2000	1620	81	34-147	N2
Ethylbenzene	ug/L	ND	2000	1470	73	40-142	
Methylene chloride	ug/L	ND	2000	1420	69	31-144	
Tetrachloroethene	ug/L	ND	2000	1480	74	64-148	
Toluene	ug/L	ND	2000	1500	72	47-150	
trans-1,2-Dichloroethene	ug/L	ND	2000	1500	75	54-151	
Trichloroethene	ug/L	ND	2000	1470	74	71-149	
Vinyl chloride	ug/L	ND	2000	875	44	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

MATRIX SPIKE SAMPLE:		1470608					
Parameter	Units	60181494001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	6000	4640	77	37-144	N2
1,2-Dichloroethane-d4 (S)	%				103	80-120	
4-Bromofluorobenzene (S)	%				98	80-120	
Toluene-d8 (S)	%				100	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

QC Batch: MSV/65482 Analysis Method: EPA 624 Low
 QC Batch Method: EPA 624 Low Analysis Description: 624 MSV
 Associated Lab Samples: 60181494001, 60181494002

METHOD BLANK: 1471646 Matrix: Water

Associated Lab Samples: 60181494001, 60181494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acetone	ug/L	ND	10.0	11/03/14 17:37	N2
1,2-Dichloroethane-d4 (S)	%	93	80-120	11/03/14 17:37	
4-Bromofluorobenzene (S)	%	102	80-120	11/03/14 17:37	
Toluene-d8 (S)	%	98	80-120	11/03/14 17:37	

LABORATORY CONTROL SAMPLE: 1471647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	100	77.0	77	38-134	N2
1,2-Dichloroethane-d4 (S)	%			94	80-120	
4-Bromofluorobenzene (S)	%			101	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1472143

Parameter	Units	60181676001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	19200	10000	26600	75	10-160	H3,N2
1,2-Dichloroethane-d4 (S)	%				103	80-120	
4-Bromofluorobenzene (S)	%				101	80-120	
Toluene-d8 (S)	%				97	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051
Pace Project No.: 60181494

QC Batch: OEXT/46918 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 60181494001

METHOD BLANK: 1470716 Matrix: Water
Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/03/14 12:24	
2,4,6-Trichlorophenol	ug/L	ND	5.0	11/03/14 12:24	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/03/14 12:24	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	11/03/14 12:24	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	11/03/14 12:24	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/03/14 12:24	
Hexachlorocyclopentadiene	ug/L	ND	5.0	11/03/14 12:24	
Hexachloroethane	ug/L	ND	5.0	11/03/14 12:24	
Naphthalene	ug/L	ND	5.0	11/03/14 12:24	
Nitrobenzene	ug/L	ND	5.0	11/03/14 12:24	
Pentachlorophenol	ug/L	ND	5.0	11/03/14 12:24	
Phenol	ug/L	ND	5.0	11/03/14 12:24	
2,4,6-Tribromophenol (S)	%	83	39-120	11/03/14 12:24	
2-Fluorobiphenyl (S)	%	80	39-120	11/03/14 12:24	
2-Fluorophenol (S)	%	38	17-120	11/03/14 12:24	
Nitrobenzene-d5 (S)	%	74	33-120	11/03/14 12:24	
Phenol-d6 (S)	%	24	11-120	11/03/14 12:24	
Terphenyl-d14 (S)	%	85	45-120	11/03/14 12:24	

LABORATORY CONTROL SAMPLE: 1470717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	41.9	84	46-120	
2,4,6-Trichlorophenol	ug/L	50	44.9	90	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	33.6	67	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	31.0	62	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	49.4	99	40-133	
Hexachloro-1,3-butadiene	ug/L	50	40.9	82	44-116	
Hexachlorocyclopentadiene	ug/L	100	45.6	46	24-120	
Hexachloroethane	ug/L	50	38.3	77	43-113	
Naphthalene	ug/L	50	43.0	86	48-120	
Nitrobenzene	ug/L	50	44.5	89	48-120	
Pentachlorophenol	ug/L	50	44.5	89	47-120	
Phenol	ug/L	50	15.5	31	16-112	
2,4,6-Tribromophenol (S)	%			92	39-120	
2-Fluorobiphenyl (S)	%			91	39-120	
2-Fluorophenol (S)	%			39	17-120	
Nitrobenzene-d5 (S)	%			89	33-120	
Phenol-d6 (S)	%			27	11-120	
Terphenyl-d14 (S)	%			97	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

MATRIX SPIKE SAMPLE:		1470718					
Parameter	Units	60181446001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	43.2	86	44-120	
2,4,6-Trichlorophenol	ug/L	7.1	50	49.3	84	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	38.4	68	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	23.0	50	54.2	62	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	30.0	60	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	43.4	87	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	25.0	25	11-120	
Hexachloroethane	ug/L	ND	50	41.0	82	40-113	
Naphthalene	ug/L	6.3	50	48.6	85	45-120	
Nitrobenzene	ug/L	ND	50	50.1	100	38-120	
Pentachlorophenol	ug/L	ND	50	36.0	72	43-135	
Phenol	ug/L	1610	50	1880	538	13-112	M1
2,4,6-Tribromophenol (S)	%				82	39-120	
2-Fluorobiphenyl (S)	%				86	39-120	
2-Fluorophenol (S)	%				44	17-120	
Nitrobenzene-d5 (S)	%				93	33-120	
Phenol-d6 (S)	%				27	11-120	
Terphenyl-d14 (S)	%				90	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

QC Batch:	WET/51311	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60181494001		

METHOD BLANK: 1471903 Matrix: Water

Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	11/03/14 08:35	

LABORATORY CONTROL SAMPLE: 1471904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.0	98	78-114	

MATRIX SPIKE SAMPLE: 1471906

Parameter	Units	60181590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	41.2	42.7	95	78-114	

SAMPLE DUPLICATE: 1471905

Parameter	Units	60181494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	41.2	40.8	1	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

QC Batch:	WET/51312	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples:	60181494001		

METHOD BLANK: 1471911 Matrix: Water
Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	11/03/14 08:43	

LABORATORY CONTROL SAMPLE: 1471912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.5	117	64-132	

MATRIX SPIKE SAMPLE: 1471914

Parameter	Units	60181590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	21.1	90	64-132	

SAMPLE DUPLICATE: 1471913

Parameter	Units	60181494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	5.6	6.4	13	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

QC Batch: WET/51289

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60181494001

METHOD BLANK: 1470811

Matrix: Water

Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/31/14 10:37	

SAMPLE DUPLICATE: 1470812

Parameter	Units	60181386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	52.0	48.0	8	10	

SAMPLE DUPLICATE: 1470813

Parameter	Units	60181332001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

QC Batch: WET/51282 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60181494001

SAMPLE DUPLICATE: 1470690

Parameter	Units	60181268001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.3	0	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

QC Batch: WET/51264

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60181494001

METHOD BLANK: 1470391

Matrix: Water

Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	11/04/14 14:58	

LABORATORY CONTROL SAMPLE: 1470392

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	186	94	85-115	

SAMPLE DUPLICATE: 1470393

Parameter	Units	60181492001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	590	582	1	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051
Pace Project No.: 60181494

QC Batch: WETA/31605 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 60181494001

METHOD BLANK: 1470803 Matrix: Water
Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/31/14 12:25	

LABORATORY CONTROL SAMPLE: 1470804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 1470805

Parameter	Units	60181381005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.30	2	2.1	90	90-110	

MATRIX SPIKE SAMPLE: 1470806

Parameter	Units	60181382003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1.5	2	3.2	89	90-110	M1

SAMPLE DUPLICATE: 1470807

Parameter	Units	60181421001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

QC Batch:	WETA/31658	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60181494001		

METHOD BLANK: 1472430 Matrix: Water

Associated Lab Samples: 60181494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	11/05/14 06:24	

LABORATORY CONTROL SAMPLE: 1472431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	53.8	108	90-110	

MATRIX SPIKE SAMPLE: 1472432

Parameter	Units	60181094002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	55.7	50	98.9	86	90-110	M1

MATRIX SPIKE SAMPLE: 1472434

Parameter	Units	60181444001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	2080	1250	3140	85	90-110	M1

SAMPLE DUPLICATE: 1472433

Parameter	Units	60181353001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	6770	7000	3	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-051

Pace Project No.: 60181494

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60181494001	T1-051	EPA 200.7	MPRP/29614	EPA 200.7	ICP/22213
60181494001	T1-051	EPA 200.7	MPRP/29648	EPA 200.7	ICP/22232
60181494001	T1-051	EPA 245.1	MERP/8999	EPA 245.1	MERC/8952
60181494001	T1-051	EPA 245.1	MERP/9007	EPA 245.1	MERC/8960
60181494001	T1-051	EPA 625	OEXT/46918	EPA 625	MSSV/15107
60181494001	T1-051	EPA 624 Low	MSV/65452		
60181494001	T1-051	EPA 624 Low	MSV/65482		
60181494002	TRIP BLANK	EPA 624 Low	MSV/65452		
60181494002	TRIP BLANK	EPA 624 Low	MSV/65482		
60181494001	T1-051	EPA 1664A	WET/51311		
60181494001	T1-051	EPA 1664A	WET/51312		
60181494001	T1-051	SM 2540D	WET/51289		
60181494001	T1-051	SM 4500-H+B	WET/51282		
60181494001	T1-051	SM 5210B	WET/51264	SM 5210B	WET/51358
60181494001	T1-051	EPA 350.1	WETA/31605		
60181494001	T1-051	EPA 410.4	WETA/31658		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO# : 60181494

 60181494

Client Name: Republic Barr Eng.

Courier: Fed Ex UPS USPS Client Commercial Pace Other X Roads

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: WV Blue None Samples received on ice, cooling process has begun.

Cooler Temperature: 2.2

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: JA 12/30/14 750

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	<u>BOD, pH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.	
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Includes date/time/ID/analyses	Matrix: <u>water</u>	13.	
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	<u>B3N+B3S unable to be preserved</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed	Lot # of added preservative
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<u>mt</u>
Pace Trip Blank lot # (if purchased):	<u>101002</u>	15.	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.	<u>none detected</u>
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.	List State: <u>MD</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 12/31/14

November 07, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

RE: Project: BRIDGETON LF T1-052
Pace Project No.: 60181577

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on October 31, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60181577001	T1-052	Water	10/30/14 10:21	10/31/14 02:25
60181577002	TRIP BLANK	Water		10/31/14 02:25

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60181577001	T1-052	EPA 200.7	NDJ, SMW	15
		EPA 200.7	SMW	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	AJM	1
		SM 5210B	JML	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60181577002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

Sample: T1-052	Lab ID: 60181577001	Collected: 10/30/14 10:21	Received: 10/31/14 02:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	7480 ug/L		375	1	11/03/14 09:45	11/04/14 18:01	7429-90-5	
Antimony	ND ug/L		50.0	1	11/03/14 09:45	11/04/14 18:01	7440-36-0	
Arsenic	384 ug/L		50.0	1	11/03/14 09:45	11/04/14 18:01	7440-38-2	
Beryllium	ND ug/L		5.0	1	11/03/14 09:45	11/04/14 18:01	7440-41-7	
Cadmium	ND ug/L		25.0	1	11/03/14 09:45	11/04/14 18:01	7440-43-9	
Chromium	116 ug/L		25.0	1	11/03/14 09:45	11/04/14 18:01	7440-47-3	
Cobalt	ND ug/L		25.0	1	11/03/14 09:45	11/04/14 18:01	7440-48-4	
Copper	ND ug/L		50.0	1	11/03/14 09:45	11/04/14 18:01	7440-50-8	
Iron	32100 ug/L		250	1	11/03/14 09:45	11/06/14 12:06	7439-89-6	
Lead	71.8 ug/L		25.0	1	11/03/14 09:45	11/04/14 18:01	7439-92-1	
Nickel	69.4 ug/L		25.0	1	11/03/14 09:45	11/04/14 18:01	7440-02-0	
Selenium	ND ug/L		75.0	1	11/03/14 09:45	11/04/14 18:01	7782-49-2	
Silver	ND ug/L		35.0	1	11/03/14 09:45	11/04/14 18:01	7440-22-4	
Thallium	ND ug/L		100	1	11/03/14 09:45	11/04/14 18:01	7440-28-0	
Zinc	2520 ug/L		250	1	11/03/14 09:45	11/04/14 18:01	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	11/05/14 08:45	11/05/14 14:35	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	11/05/14 08:45	11/05/14 14:35	7440-36-0	
Arsenic, Dissolved	243 ug/L		50.0	1	11/05/14 08:45	11/05/14 14:35	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	11/05/14 08:45	11/05/14 14:35	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	11/05/14 08:45	11/05/14 14:35	7440-43-9	
Chromium, Dissolved	62.6 ug/L		25.0	1	11/05/14 08:45	11/05/14 14:35	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	11/05/14 08:45	11/05/14 14:35	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	11/05/14 08:45	11/05/14 14:35	7440-50-8	
Iron, Dissolved	51100 ug/L		250	1	11/05/14 08:45	11/05/14 14:35	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	11/05/14 08:45	11/05/14 14:35	7439-92-1	
Nickel, Dissolved	46.7 ug/L		25.0	1	11/05/14 08:45	11/05/14 14:35	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	11/05/14 08:45	11/05/14 14:35	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	11/05/14 08:45	11/05/14 14:35	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	11/05/14 08:45	11/05/14 14:35	7440-28-0	
Zinc, Dissolved	ND ug/L		250	1	11/05/14 08:45	11/05/14 14:35	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	8.9 ug/L		6.0	1	11/03/14 10:25	11/04/14 10:06	7439-97-6	
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	11/05/14 09:00	11/05/14 13:02	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	11/04/14 00:00	11/05/14 19:04	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	11/04/14 00:00	11/05/14 19:04	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	11/04/14 00:00	11/05/14 19:04	77-47-4	
Hexachloroethane	ND ug/L		500	1	11/04/14 00:00	11/05/14 19:04	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	11/04/14 00:00	11/05/14 19:04	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND ug/L		2000	1	11/04/14 00:00	11/05/14 19:04		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

Sample: T1-052	Lab ID: 60181577001	Collected: 10/30/14 10:21	Received: 10/31/14 02:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	11/04/14 00:00	11/05/14 19:04	91-20-3	
Nitrobenzene	ND ug/L		500	1	11/04/14 00:00	11/05/14 19:04	98-95-3	
Pentachlorophenol	ND ug/L		500	1	11/04/14 00:00	11/05/14 19:04	87-86-5	
Phenol	2570 ug/L		500	1	11/04/14 00:00	11/05/14 19:04	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	11/04/14 00:00	11/05/14 19:04	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	11/04/14 00:00	11/05/14 19:04	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	86 %		33-120	1	11/04/14 00:00	11/05/14 19:04	4165-60-0	
2-Fluorobiphenyl (S)	77 %		39-120	1	11/04/14 00:00	11/05/14 19:04	321-60-8	
Terphenyl-d14 (S)	84 %		45-120	1	11/04/14 00:00	11/05/14 19:04	1718-51-0	
Phenol-d6 (S)	32 %		11-120	1	11/04/14 00:00	11/05/14 19:04	13127-88-3	
2-Fluorophenol (S)	45 %		17-120	1	11/04/14 00:00	11/05/14 19:04	367-12-4	
2,4,6-Tribromophenol (S)	89 %		39-120	1	11/04/14 00:00	11/05/14 19:04	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	26900 ug/L		1000	100		11/06/14 15:43	67-64-1	N2
Benzene	ND ug/L		100	100		11/06/14 15:43	71-43-2	
Bromodichloromethane	ND ug/L		100	100		11/06/14 15:43	75-27-4	
Bromoform	ND ug/L		100	100		11/06/14 15:43	75-25-2	
Bromomethane	ND ug/L		500	100		11/06/14 15:43	74-83-9	
2-Butanone (MEK)	11900 ug/L		1000	100		11/06/14 15:43	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		11/06/14 15:43	56-23-5	
Chloroethane	ND ug/L		100	100		11/06/14 15:43	75-00-3	
Chloroform	ND ug/L		100	100		11/06/14 15:43	67-66-3	
1,4-Dichlorobenzene	103 ug/L		100	100		11/06/14 15:43	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		11/06/14 15:43	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		11/06/14 15:43	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		11/06/14 15:43	156-60-5	
Ethylbenzene	ND ug/L		100	100		11/06/14 15:43	100-41-4	
Methylene chloride	258 ug/L		100	100		11/06/14 15:43	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		11/06/14 15:43	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		11/06/14 15:43	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		11/06/14 15:43	127-18-4	
Toluene	ND ug/L		100	100		11/06/14 15:43	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		11/06/14 15:43	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		11/06/14 15:43	79-00-5	
Trichloroethene	ND ug/L		100	100		11/06/14 15:43	79-01-6	
Vinyl chloride	ND ug/L		100	100		11/06/14 15:43	75-01-4	
Xylene (Total)	ND ug/L		300	100		11/06/14 15:43	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	100 %		80-120	100		11/06/14 15:43	460-00-4	
Toluene-d8 (S)	102 %		80-120	100		11/06/14 15:43	2037-26-5	
1,2-Dichloroethane-d4 (S)	102 %		80-120	100		11/06/14 15:43	17060-07-0	
Preservation pH	6.0		1.0	100		11/06/14 15:43		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	116 mg/L		5.0	1		11/03/14 08:37		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

Sample: T1-052		Lab ID: 60181577001	Collected: 10/30/14 10:21	Received: 10/31/14 02:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	11.2	mg/L	5.0	1		11/03/14 08:44		
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	3020	mg/L	5.0	1		11/04/14 13:09		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.5	Std. Units	0.10	1		11/01/14 12:30		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	7490	mg/L	2.0	1	10/31/14 12:06	11/05/14 14:29		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	144	mg/L	5.0	50		11/06/14 12:55	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	16800	mg/L	2500	250		11/05/14 06:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

Sample: TRIP BLANK		Lab ID: 60181577002	Collected:	Received: 10/31/14 02:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND	ug/L	10.0	1		11/06/14 16:26	67-64-1	N2
Benzene	ND	ug/L	1.0	1		11/06/14 16:26	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		11/06/14 16:26	75-27-4	
Bromoform	ND	ug/L	1.0	1		11/06/14 16:26	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/06/14 16:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/06/14 16:26	78-93-3	N2
Carbon tetrachloride	ND	ug/L	1.0	1		11/06/14 16:26	56-23-5	
Chloroethane	ND	ug/L	1.0	1		11/06/14 16:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/06/14 16:26	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/06/14 16:26	106-46-7	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/06/14 16:26	107-06-2	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/06/14 16:26	156-59-2	N2
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/06/14 16:26	156-60-5	
Ethylbenzene	ND	ug/L	1.0	1		11/06/14 16:26	100-41-4	
Methylene chloride	2.2	ug/L	1.0	1		11/06/14 16:26	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/06/14 16:26	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/06/14 16:26	79-34-5	N2
Tetrachloroethene	ND	ug/L	1.0	1		11/06/14 16:26	127-18-4	
Toluene	ND	ug/L	1.0	1		11/06/14 16:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/06/14 16:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/06/14 16:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/06/14 16:26	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		11/06/14 16:26	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/06/14 16:26	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	100 %		80-120	1		11/06/14 16:26	460-00-4	
Toluene-d8 (S)	98 %		80-120	1		11/06/14 16:26	2037-26-5	
1,2-Dichloroethane-d4 (S)	105 %		80-120	1		11/06/14 16:26	17060-07-0	
Preservation pH	6.0		1.0	1		11/06/14 16:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

QC Batch: MERP/8999

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60181577001

METHOD BLANK: 1471915

Matrix: Water

Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	11/04/14 09:39	

LABORATORY CONTROL SAMPLE: 1471916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1471917 1471918

Parameter	Units	60181494001 Result	MS		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result							
Mercury	ug/L	ND	150	99.3	150	92.4	64	60	70-130	7	20	M1	

MATRIX SPIKE SAMPLE: 1471919

Parameter	Units	60181667001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L		18.1	116	65	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

QC Batch: MERP/9007

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury - Dissolved

Associated Lab Samples: 60181577001

METHOD BLANK: 1472916

Matrix: Water

Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	11/05/14 12:44	

LABORATORY CONTROL SAMPLE: 1472917

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.6	92	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1472918 1472919

Parameter	Units	60181384001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury, Dissolved	ug/L	ND	150	150	94.5	89.4	63	60	70-130	6	20	M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052
Pace Project No.: 60181577

QC Batch: MPRP/29614 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 60181577001

METHOD BLANK: 1471946 Matrix: Water
Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	11/04/14 17:40	
Antimony	ug/L	ND	10.0	11/04/14 17:40	
Arsenic	ug/L	ND	10.0	11/04/14 17:40	
Beryllium	ug/L	ND	1.0	11/04/14 17:40	
Cadmium	ug/L	ND	5.0	11/04/14 17:40	
Chromium	ug/L	ND	5.0	11/04/14 17:40	
Cobalt	ug/L	ND	5.0	11/04/14 17:40	
Copper	ug/L	ND	10.0	11/04/14 17:40	
Iron	ug/L	ND	50.0	11/06/14 11:52	
Lead	ug/L	ND	5.0	11/04/14 17:40	
Nickel	ug/L	ND	5.0	11/04/14 17:40	
Selenium	ug/L	ND	15.0	11/04/14 17:40	
Silver	ug/L	ND	7.0	11/04/14 17:40	
Thallium	ug/L	ND	20.0	11/04/14 17:40	
Zinc	ug/L	ND	50.0	11/04/14 17:40	

LABORATORY CONTROL SAMPLE: 1471947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9820	98	85-115	
Antimony	ug/L	1000	1030	103	85-115	
Arsenic	ug/L	1000	976	98	85-115	
Beryllium	ug/L	1000	971	97	85-115	
Cadmium	ug/L	1000	1010	101	85-115	
Chromium	ug/L	1000	958	96	85-115	
Cobalt	ug/L	1000	1020	102	85-115	
Copper	ug/L	1000	994	99	85-115	
Iron	ug/L	10000	10000	100	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1020	102	85-115	
Selenium	ug/L	1000	1010	101	85-115	
Silver	ug/L	500	487	97	85-115	
Thallium	ug/L	1000	1030	103	85-115	
Zinc	ug/L	1000	959	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1471948												1471949	
Parameter	Units	60181494001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD			
Aluminum	ug/L	8300	50000	50000	62500	63200	108	110	70-130	1	20		
Antimony	ug/L	ND	5000	5000	5360	5420	107	108	70-130	1	20		
Arsenic	ug/L	424	5000	5000	5720	5790	106	107	70-130	1	20		
Beryllium	ug/L	ND	5000	5000	4920	4950	98	99	70-130	0	20		
Cadmium	ug/L	ND	5000	5000	5280	5330	106	107	70-130	1	20		
Chromium	ug/L	125	5000	5000	5040	5060	98	99	70-130	1	20		
Cobalt	ug/L	ND	5000	5000	5000	5030	100	100	70-130	1	20		
Copper	ug/L	ND	5000	5000	5200	5240	104	105	70-130	1	20		
Iron	ug/L	339000	50000	50000	372000	388000	65	98	70-130	4	20 M1		
Lead	ug/L	74.6	5000	5000	4760	4800	94	95	70-130	1	20		
Nickel	ug/L	71.0	5000	5000	5010	5060	99	100	70-130	1	20		
Selenium	ug/L	ND	5000	5000	5440	5520	109	110	70-130	1	20		
Silver	ug/L	ND	2500	2500	2630	2650	105	106	70-130	1	20		
Thallium	ug/L	ND	5000	5000	4450	4470	89	89	70-130	1	20		
Zinc	ug/L	2720	5000	5000	7320	7450	92	95	70-130	2	20		

MATRIX SPIKE SAMPLE: 1471950		60181577001	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Aluminum	ug/L	7480	50000	62800	111	70-130	
Antimony	ug/L	ND	5000	5420	108	70-130	
Arsenic	ug/L	384	5000	5760	107	70-130	
Beryllium	ug/L	ND	5000	4920	98	70-130	
Cadmium	ug/L	ND	5000	5300	106	70-130	
Chromium	ug/L	116	5000	5040	98	70-130	
Cobalt	ug/L	ND	5000	5010	100	70-130	
Copper	ug/L	ND	5000	5200	104	70-130	
Iron	ug/L	321000	50000	375000	109	70-130	
Lead	ug/L	71.8	5000	4840	95	70-130	
Nickel	ug/L	69.4	5000	5060	100	70-130	
Selenium	ug/L	ND	5000	5560	111	70-130	
Silver	ug/L	ND	2500	2610	104	70-130	
Thallium	ug/L	ND	5000	4470	89	70-130	
Zinc	ug/L	2520	5000	7300	96	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

QC Batch: MPRP/29648

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60181577001

METHOD BLANK: 1473036

Matrix: Water

Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	11/05/14 14:14	
Antimony, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Arsenic, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Beryllium, Dissolved	ug/L	ND	1.0	11/05/14 14:14	
Cadmium, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Chromium, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Cobalt, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Copper, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Iron, Dissolved	ug/L	ND	50.0	11/05/14 14:14	
Lead, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Nickel, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Selenium, Dissolved	ug/L	ND	15.0	11/05/14 14:14	
Silver, Dissolved	ug/L	ND	7.0	11/05/14 14:14	
Thallium, Dissolved	ug/L	ND	20.0	11/05/14 14:14	
Zinc, Dissolved	ug/L	ND	50.0	11/05/14 14:14	

LABORATORY CONTROL SAMPLE: 1473037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9960	100	85-115	
Antimony, Dissolved	ug/L	1000	1010	101	85-115	
Arsenic, Dissolved	ug/L	1000	959	96	85-115	
Beryllium, Dissolved	ug/L	1000	988	99	85-115	
Cadmium, Dissolved	ug/L	1000	996	100	85-115	
Chromium, Dissolved	ug/L	1000	986	99	85-115	
Cobalt, Dissolved	ug/L	1000	1020	102	85-115	
Copper, Dissolved	ug/L	1000	994	99	85-115	
Iron, Dissolved	ug/L	10000	9970	100	85-115	
Lead, Dissolved	ug/L	1000	1010	101	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	982	98	85-115	
Silver, Dissolved	ug/L	500	484	97	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	983	98	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1473038		1473039		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		60181384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Aluminum, Dissolved	ug/L	ND	50000	50000	50100	50400	100	100	70-130	0	20		
Antimony, Dissolved	ug/L	ND	5000	5000	5180	5220	104	104	70-130	1	20		
Arsenic, Dissolved	ug/L	253	5000	5000	5340	5420	102	103	70-130	1	20		
Beryllium, Dissolved	ug/L	ND	5000	5000	4960	4950	99	99	70-130	0	20		
Cadmium, Dissolved	ug/L	ND	5000	5000	5120	5160	102	103	70-130	1	20		
Chromium, Dissolved	ug/L	66.1	5000	5000	5050	5050	100	100	70-130	0	20		
Cobalt, Dissolved	ug/L	ND	5000	5000	4980	4990	99	100	70-130	0	20		
Copper, Dissolved	ug/L	ND	5000	5000	5060	5080	101	102	70-130	0	20		
Iron, Dissolved	ug/L	66900	50000	50000	110000	117000	85	100	70-130	6	20		
Lead, Dissolved	ug/L	ND	5000	5000	4810	4790	96	96	70-130	0	20		
Nickel, Dissolved	ug/L	51.2	5000	5000	5000	5010	99	99	70-130	0	20		
Selenium, Dissolved	ug/L	ND	5000	5000	5230	5280	105	106	70-130	1	20		
Silver, Dissolved	ug/L	ND	2500	2500	2570	2580	103	103	70-130	0	20		
Thallium, Dissolved	ug/L	ND	5000	5000	4590	4560	92	91	70-130	0	20		
Zinc, Dissolved	ug/L	ND	5000	5000	4950	4950	97	97	70-130	0	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

QC Batch: MSV/65575 Analysis Method: EPA 624 Low
 QC Batch Method: EPA 624 Low Analysis Description: 624 MSV
 Associated Lab Samples: 60181577001, 60181577002

METHOD BLANK: 1473963 Matrix: Water

Associated Lab Samples: 60181577001, 60181577002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	11/06/14 15:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/06/14 15:24	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	11/06/14 15:24	
1,2-Dichloroethane	ug/L	ND	1.0	11/06/14 15:24	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/06/14 15:24	
2-Butanone (MEK)	ug/L	ND	10.0	11/06/14 15:24	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/06/14 15:24	N2
Acetone	ug/L	ND	10.0	11/06/14 15:24	N2
Benzene	ug/L	ND	1.0	11/06/14 15:24	
Bromodichloromethane	ug/L	ND	1.0	11/06/14 15:24	
Bromoform	ug/L	ND	1.0	11/06/14 15:24	
Bromomethane	ug/L	ND	5.0	11/06/14 15:24	
Carbon tetrachloride	ug/L	ND	1.0	11/06/14 15:24	
Chloroethane	ug/L	ND	1.0	11/06/14 15:24	
Chloroform	ug/L	ND	1.0	11/06/14 15:24	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/06/14 15:24	N2
Ethylbenzene	ug/L	ND	1.0	11/06/14 15:24	
Methylene chloride	ug/L	2.2	1.0	11/06/14 15:24	
Tetrachloroethene	ug/L	ND	1.0	11/06/14 15:24	
Toluene	ug/L	ND	1.0	11/06/14 15:24	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/06/14 15:24	
Trichloroethene	ug/L	ND	1.0	11/06/14 15:24	
Vinyl chloride	ug/L	ND	1.0	11/06/14 15:24	
Xylene (Total)	ug/L	ND	3.0	11/06/14 15:24	N2
1,2-Dichloroethane-d4 (S)	%	105	80-120	11/06/14 15:24	
4-Bromofluorobenzene (S)	%	101	80-120	11/06/14 15:24	
Toluene-d8 (S)	%	100	80-120	11/06/14 15:24	

LABORATORY CONTROL SAMPLE: 1473964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.9	99	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	100	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.0	100	67-124	
1,2-Dichloroethane	ug/L	20	19.9	100	70-126	
1,4-Dichlorobenzene	ug/L	20	18.9	94	74-120	
2-Butanone (MEK)	ug/L	100	90.5	91	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.8	95	59-131	N2
Acetone	ug/L	100	82.8	83	38-134	N2
Benzene	ug/L	20	18.9	95	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

LABORATORY CONTROL SAMPLE: 1473964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	19.6	98	68-125	
Bromoform	ug/L	20	18.3	92	65-127	
Bromomethane	ug/L	20	20.5	103	13-157	
Carbon tetrachloride	ug/L	20	19.2	96	70-131	
Chloroethane	ug/L	20	18.3	92	47-133	
Chloroform	ug/L	20	18.6	93	65-127	
cis-1,2-Dichloroethene	ug/L	20	20.3	102	68-127	N2
Ethylbenzene	ug/L	20	18.7	94	74-122	
Methylene chloride	ug/L	20	17.7	88	64-129	
Tetrachloroethene	ug/L	20	18.4	92	73-125	
Toluene	ug/L	20	19.0	95	69-126	
trans-1,2-Dichloroethene	ug/L	20	17.9	89	66-129	
Trichloroethene	ug/L	20	19.2	96	71-123	
Vinyl chloride	ug/L	20	20.1	100	43-129	
Xylene (Total)	ug/L	60	58.6	98	75-121	N2
1,2-Dichloroethane-d4 (S)	%			106	80-120	
4-Bromofluorobenzene (S)	%			102	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1473965

Parameter	Units	60181592002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	100	107	107	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	100	139	139	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	100	113	113	52-143	
1,2-Dichloroethane	ug/L	ND	100	105	105	49-144	
1,4-Dichlorobenzene	ug/L	8.7	100	109	101	33-140	
2-Butanone (MEK)	ug/L	ND	500	641	124	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	630	125	40-160	N2
Acetone	ug/L	52.1	500	643	118	10-160	N2
Benzene	ug/L	ND	100	101	100	37-151	
Bromodichloromethane	ug/L	ND	100	102	102	35-142	
Bromoform	ug/L	ND	100	111	111	45-142	
Bromomethane	ug/L	ND	100	109	109	10-158	
Carbon tetrachloride	ug/L	ND	100	109	109	70-140	
Chloroethane	ug/L	ND	100	95.6	96	19-152	
Chloroform	ug/L	ND	100	97.7	98	51-138	
cis-1,2-Dichloroethene	ug/L	ND	100	106	106	34-147	N2
Ethylbenzene	ug/L	ND	100	97.0	97	40-142	
Methylene chloride	ug/L	19.4	100	107	88	31-144	
Tetrachloroethene	ug/L	ND	100	106	106	64-148	
Toluene	ug/L	ND	100	101	101	47-150	
trans-1,2-Dichloroethene	ug/L	ND	100	106	106	54-151	
Trichloroethene	ug/L	ND	100	101	101	71-149	
Vinyl chloride	ug/L	ND	100	115	115	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

MATRIX SPIKE SAMPLE:		1473965					
Parameter	Units	60181592002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	300	309	103	37-144	N2
1,2-Dichloroethane-d4 (S)	%				109	80-120	
4-Bromofluorobenzene (S)	%				106	80-120	F1
Toluene-d8 (S)	%				99	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

QC Batch: OEXT/46962 Analysis Method: EPA 625
 QC Batch Method: EPA 625 Analysis Description: 625 MSS
 Associated Lab Samples: 60181577001

METHOD BLANK: 1472346 Matrix: Water

Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/05/14 18:22	
2,4,6-Trichlorophenol	ug/L	ND	5.0	11/05/14 18:22	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/05/14 18:22	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	11/05/14 18:22	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	11/05/14 18:22	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/05/14 18:22	
Hexachlorocyclopentadiene	ug/L	ND	5.0	11/05/14 18:22	
Hexachloroethane	ug/L	ND	5.0	11/05/14 18:22	
Naphthalene	ug/L	ND	5.0	11/05/14 18:22	
Nitrobenzene	ug/L	ND	5.0	11/05/14 18:22	
Pentachlorophenol	ug/L	ND	5.0	11/05/14 18:22	
Phenol	ug/L	ND	5.0	11/05/14 18:22	
2,4,6-Tribromophenol (S)	%	83	39-120	11/05/14 18:22	
2-Fluorobiphenyl (S)	%	85	39-120	11/05/14 18:22	
2-Fluorophenol (S)	%	50	17-120	11/05/14 18:22	
Nitrobenzene-d5 (S)	%	86	33-120	11/05/14 18:22	
Phenol-d6 (S)	%	32	11-120	11/05/14 18:22	
Terphenyl-d14 (S)	%	91	45-120	11/05/14 18:22	

LABORATORY CONTROL SAMPLE: 1472347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	46-120	
2,4,6-Trichlorophenol	ug/L	50	47.3	95	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	40.3	81	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	37.0	74	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	54.4	109	40-133	
Hexachloro-1,3-butadiene	ug/L	50	40.5	81	44-116	
Hexachlorocyclopentadiene	ug/L	100	36.7	37	24-120	
Hexachloroethane	ug/L	50	39.8	80	43-113	
Naphthalene	ug/L	50	41.6	83	48-120	
Nitrobenzene	ug/L	50	43.2	86	48-120	
Pentachlorophenol	ug/L	50	51.5	103	47-120	
Phenol	ug/L	50	19.3	39	16-112	
2,4,6-Tribromophenol (S)	%			98	39-120	
2-Fluorobiphenyl (S)	%			91	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			94	33-120	
Phenol-d6 (S)	%			35	11-120	
Terphenyl-d14 (S)	%			93	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

MATRIX SPIKE SAMPLE:		1472348					
Parameter	Units	60181592002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	35.6	71	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	40.5	81	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	39.5	79	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	33.2	66	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	60.6	121	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	32.9	66	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	36.4	36	11-120	
Hexachloroethane	ug/L	ND	50	33.5	67	40-113	
Naphthalene	ug/L	ND	50	34.9	67	45-120	
Nitrobenzene	ug/L	ND	50	41.2	82	38-120	
Pentachlorophenol	ug/L	ND	50	31.4	63	43-135	
Phenol	ug/L	ND	50	17.2	34	13-112	
2,4,6-Tribromophenol (S)	%				81	39-120	
2-Fluorobiphenyl (S)	%				73	39-120	
2-Fluorophenol (S)	%				46	17-120	
Nitrobenzene-d5 (S)	%				96	33-120	
Phenol-d6 (S)	%				32	11-120	
Terphenyl-d14 (S)	%				89	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

QC Batch:	WET/51311	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60181577001		

METHOD BLANK: 1471903 Matrix: Water

Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	11/03/14 08:35	

LABORATORY CONTROL SAMPLE: 1471904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.0	98	78-114	

MATRIX SPIKE SAMPLE: 1471906

Parameter	Units	60181590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	41.2	42.7	95	78-114	

SAMPLE DUPLICATE: 1471905

Parameter	Units	60181494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	41.2	40.8	1	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

QC Batch: WET/51312

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 SGT-HEM, TPH

Associated Lab Samples: 60181577001

METHOD BLANK: 1471911

Matrix: Water

Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	11/03/14 08:43	

LABORATORY CONTROL SAMPLE: 1471912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.5	117	64-132	

MATRIX SPIKE SAMPLE: 1471914

Parameter	Units	60181590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	21.1	90	64-132	

SAMPLE DUPLICATE: 1471913

Parameter	Units	60181494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	5.6	6.4	13	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

QC Batch: WET/51337

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 60181577001

METHOD BLANK: 1472394

Matrix: Water

Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	11/04/14 13:06	

SAMPLE DUPLICATE: 1472395

Parameter	Units	60181510003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	8.0	6.0	29	10	D6

SAMPLE DUPLICATE: 1472396

Parameter	Units	60181540002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND		10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

QC Batch: WET/51306 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60181577001

SAMPLE DUPLICATE: 1471499

Parameter	Units	60181303008 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.8	1	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

QC Batch: WET/51295

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60181577001

METHOD BLANK: 1470942

Matrix: Water

Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	11/05/14 13:43	

LABORATORY CONTROL SAMPLE: 1470943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	197	99	85-115	

SAMPLE DUPLICATE: 1470944

Parameter	Units	60181540003 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	132	122	8	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052
Pace Project No.: 60181577

QC Batch: WETA/31691 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 60181577001

METHOD BLANK: 1473868 Matrix: Water
Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	11/06/14 12:44	

LABORATORY CONTROL SAMPLE: 1473869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	100	90-110	

MATRIX SPIKE SAMPLE: 1473870

Parameter	Units	60181540002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	91	90-110	

MATRIX SPIKE SAMPLE: 1473871

Parameter	Units	60181549001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	2	1.9	95	90-110	

SAMPLE DUPLICATE: 1473872

Parameter	Units	60181592002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	79.0	77.8	2	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-052
Pace Project No.: 60181577

QC Batch: WETA/31658 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 60181577001

METHOD BLANK: 1472430 Matrix: Water
Associated Lab Samples: 60181577001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	11/05/14 06:24	

LABORATORY CONTROL SAMPLE: 1472431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	53.8	108	90-110	

MATRIX SPIKE SAMPLE: 1472432

Parameter	Units	60181094002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	55.7	50	98.9	86	90-110	M1

MATRIX SPIKE SAMPLE: 1472434

Parameter	Units	60181444001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	2080	1250	3140	85	90-110	M1

SAMPLE DUPLICATE: 1472433

Parameter	Units	60181353001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	6770	7000	3	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

C9 Common Laboratory Contaminant.

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

F1 The sample was analyzed at a dilution due to foaming of the sample in the purge vessel.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-052

Pace Project No.: 60181577

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60181577001	T1-052	EPA 200.7	MPRP/29614	EPA 200.7	ICP/22213
60181577001	T1-052	EPA 200.7	MPRP/29648	EPA 200.7	ICP/22232
60181577001	T1-052	EPA 245.1	MERP/8999	EPA 245.1	MERC/8952
60181577001	T1-052	EPA 245.1	MERP/9007	EPA 245.1	MERC/8960
60181577001	T1-052	EPA 625	OEXT/46962	EPA 625	MSSV/15123
60181577001	T1-052	EPA 624 Low	MSV/65575		
60181577002	TRIP BLANK	EPA 624 Low	MSV/65575		
60181577001	T1-052	EPA 1664A	WET/51311		
60181577001	T1-052	EPA 1664A	WET/51312		
60181577001	T1-052	SM 2540D	WET/51337		
60181577001	T1-052	SM 4500-H+B	WET/51306		
60181577001	T1-052	SM 5210B	WET/51295	SM 5210B	WET/51373
60181577001	T1-052	EPA 350.1	WETA/31691		
60181577001	T1-052	EPA 410.4	WETA/31658		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO#: 60181577



60181577

Client Name: Republic Barr Eng.

Courier: Fed Ex [] UPS [] USPS [] Client [] Commercial [x] Pace [] Other [] XR

Tracking #: Pace Shipping Label Used? Yes [] No [x]

Custody Seal on Cooler/Box Present: Yes [x] No [] Seals intact: Yes [x] No []

Packing Material: Bubble Wrap [x] Bubble Bags [] Foam [] None [] Other []

Thermometer Used: T-239 / T-194 Type of Ice: [vve] Blue None [] Samples received on ice, cooling process has begun.

Cooler Temperature: 2.6

Date and initials of person examining contents: JWS 10/31/14 600

Temperature should be above freezing to 6°C

Table with 17 rows of inspection items and checkboxes. Includes items like 'Chain of Custody present', 'Short Hold Time analyses (<72hr):', 'Rush Turn Around Time requested:', 'All containers needing preservation have been checked.', 'Project sampled in USDA Regulated Area:'. Includes handwritten notes like 'BOD, pH' and 'BPN + BPS unable to be preserved.'.

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: [Signature] Date: 10/31/14

November 10, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

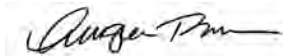
RE: Project: BRIDGETON LF T1-053
Pace Project No.: 60181667

Dear Ed Galbraith:

Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Bill Abernathy, Feezor Engineering
Kelly Caddy, Barr Engineering
DAN FEEZOR, FEEZOR ENGINEERING
Dana B. Pasi, Barr Engineering Co.
Brian Power, Republic Services
Margaret Treanor, Barr Engineering Company



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 13-012-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60181667001	T1-053	Water	10/31/14 08:16	11/01/14 02:15
60181667002	TRIP BLANK	Water		11/01/14 02:15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60181667001	T1-053	EPA 200.7	NDJ, SMW	15
		EPA 200.7	SMW	15
		EPA 245.1	ZBM	1
		EPA 245.1	ZBM	1
		EPA 625	JMT	18
		EPA 624 Low	EAK	28
		EPA 1664A	CRT	1
		EPA 1664A	CRT	1
		SM 2540D	MER	1
		SM 4500-H+B	AJM	1
		SM 5210B	ESM	1
		EPA 350.1	AJM	1
		EPA 410.4	JMC1	1
		60181667002	TRIP BLANK	EPA 624 Low

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

Sample: T1-053	Lab ID: 60181667001	Collected: 10/31/14 08:16	Received: 11/01/14 02:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	9600 ug/L		375	1	11/03/14 09:45	11/04/14 18:19	7429-90-5	
Antimony	ND ug/L		50.0	1	11/03/14 09:45	11/04/14 18:19	7440-36-0	
Arsenic	393 ug/L		50.0	1	11/03/14 09:45	11/04/14 18:19	7440-38-2	
Beryllium	ND ug/L		5.0	1	11/03/14 09:45	11/04/14 18:19	7440-41-7	
Cadmium	ND ug/L		25.0	1	11/03/14 09:45	11/04/14 18:19	7440-43-9	
Chromium	130 ug/L		25.0	1	11/03/14 09:45	11/04/14 18:19	7440-47-3	
Cobalt	ND ug/L		25.0	1	11/03/14 09:45	11/04/14 18:19	7440-48-4	
Copper	ND ug/L		50.0	1	11/03/14 09:45	11/04/14 18:19	7440-50-8	
Iron	358000 ug/L		250	1	11/03/14 09:45	11/06/14 12:20	7439-89-6	
Lead	95.8 ug/L		25.0	1	11/03/14 09:45	11/04/14 18:19	7439-92-1	
Nickel	73.2 ug/L		25.0	1	11/03/14 09:45	11/04/14 18:19	7440-02-0	
Selenium	ND ug/L		75.0	1	11/03/14 09:45	11/04/14 18:19	7782-49-2	
Silver	ND ug/L		35.0	1	11/03/14 09:45	11/04/14 18:19	7440-22-4	
Thallium	ND ug/L		100	1	11/03/14 09:45	11/04/14 18:19	7440-28-0	
Zinc	2870 ug/L		250	1	11/03/14 09:45	11/04/14 18:19	7440-66-6	
200.7 Metals, Dissolved (LF)		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum, Dissolved	ND ug/L		375	1	11/05/14 08:45	11/05/14 14:39	7429-90-5	
Antimony, Dissolved	ND ug/L		50.0	1	11/05/14 08:45	11/05/14 14:39	7440-36-0	
Arsenic, Dissolved	252 ug/L		50.0	1	11/05/14 08:45	11/05/14 14:39	7440-38-2	
Beryllium, Dissolved	ND ug/L		5.0	1	11/05/14 08:45	11/05/14 14:39	7440-41-7	
Cadmium, Dissolved	ND ug/L		25.0	1	11/05/14 08:45	11/05/14 14:39	7440-43-9	
Chromium, Dissolved	64.6 ug/L		25.0	1	11/05/14 08:45	11/05/14 14:39	7440-47-3	
Cobalt, Dissolved	ND ug/L		25.0	1	11/05/14 08:45	11/05/14 14:39	7440-48-4	
Copper, Dissolved	ND ug/L		50.0	1	11/05/14 08:45	11/05/14 14:39	7440-50-8	
Iron, Dissolved	69000 ug/L		250	1	11/05/14 08:45	11/05/14 14:39	7439-89-6	
Lead, Dissolved	ND ug/L		25.0	1	11/05/14 08:45	11/05/14 14:39	7439-92-1	
Nickel, Dissolved	51.6 ug/L		25.0	1	11/05/14 08:45	11/05/14 14:39	7440-02-0	
Selenium, Dissolved	ND ug/L		75.0	1	11/05/14 08:45	11/05/14 14:39	7782-49-2	
Silver, Dissolved	ND ug/L		35.0	1	11/05/14 08:45	11/05/14 14:39	7440-22-4	
Thallium, Dissolved	ND ug/L		100	1	11/05/14 08:45	11/05/14 14:39	7440-28-0	
Zinc, Dissolved	ND ug/L		250	1	11/05/14 08:45	11/05/14 14:39	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	18.1 ug/L		6.0	1	11/03/14 10:25	11/04/14 10:10	7439-97-6	M1
245.1 Mercury, Dissolved (LF)		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury, Dissolved	ND ug/L		6.0	1	11/05/14 09:00	11/05/14 13:04	7439-97-6	
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
4,6-Dinitro-2-methylphenol	ND ug/L		2500	1	11/04/14 00:00	11/07/14 19:40	534-52-1	
Hexachloro-1,3-butadiene	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:40	87-68-3	
Hexachlorocyclopentadiene	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:40	77-47-4	
Hexachloroethane	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:40	67-72-1	
2-Methylphenol(o-Cresol)	ND ug/L		1000	1	11/04/14 00:00	11/07/14 19:40	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	2280 ug/L		2000	1	11/04/14 00:00	11/07/14 19:40		N2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

Sample: T1-053	Lab ID: 60181667001	Collected: 10/31/14 08:16	Received: 11/01/14 02:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV		Analytical Method: EPA 625 Preparation Method: EPA 625						
Naphthalene	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:40	91-20-3	
Nitrobenzene	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:40	98-95-3	
Pentachlorophenol	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:40	87-86-5	
Phenol	3610 ug/L		500	1	11/04/14 00:00	11/07/14 19:40	108-95-2	
1,2,4-Trichlorobenzene	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:40	120-82-1	
2,4,6-Trichlorophenol	ND ug/L		500	1	11/04/14 00:00	11/07/14 19:40	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	103 %		33-120	1	11/04/14 00:00	11/07/14 19:40	4165-60-0	
2-Fluorobiphenyl (S)	90 %		39-120	1	11/04/14 00:00	11/07/14 19:40	321-60-8	
Terphenyl-d14 (S)	104 %		45-120	1	11/04/14 00:00	11/07/14 19:40	1718-51-0	
Phenol-d6 (S)	36 %		11-120	1	11/04/14 00:00	11/07/14 19:40	13127-88-3	
2-Fluorophenol (S)	51 %		17-120	1	11/04/14 00:00	11/07/14 19:40	367-12-4	
2,4,6-Tribromophenol (S)	99 %		39-120	1	11/04/14 00:00	11/07/14 19:40	118-79-6	
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	43500 ug/L		1000	100		11/06/14 16:40	67-64-1	N2
Benzene	ND ug/L		100	100		11/06/14 16:40	71-43-2	
Bromodichloromethane	ND ug/L		100	100		11/06/14 16:40	75-27-4	
Bromoform	ND ug/L		100	100		11/06/14 16:40	75-25-2	
Bromomethane	ND ug/L		500	100		11/06/14 16:40	74-83-9	
2-Butanone (MEK)	17700 ug/L		1000	100		11/06/14 16:40	78-93-3	N2
Carbon tetrachloride	ND ug/L		100	100		11/06/14 16:40	56-23-5	
Chloroethane	ND ug/L		100	100		11/06/14 16:40	75-00-3	
Chloroform	ND ug/L		100	100		11/06/14 16:40	67-66-3	
1,4-Dichlorobenzene	126 ug/L		100	100		11/06/14 16:40	106-46-7	
1,2-Dichloroethane	ND ug/L		100	100		11/06/14 16:40	107-06-2	
cis-1,2-Dichloroethene	ND ug/L		100	100		11/06/14 16:40	156-59-2	N2
trans-1,2-Dichloroethene	ND ug/L		100	100		11/06/14 16:40	156-60-5	
Ethylbenzene	ND ug/L		100	100		11/06/14 16:40	100-41-4	
Methylene chloride	263 ug/L		100	100		11/06/14 16:40	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND ug/L		1000	100		11/06/14 16:40	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND ug/L		100	100		11/06/14 16:40	79-34-5	N2
Tetrachloroethene	ND ug/L		100	100		11/06/14 16:40	127-18-4	
Toluene	ND ug/L		100	100		11/06/14 16:40	108-88-3	
1,1,1-Trichloroethane	ND ug/L		100	100		11/06/14 16:40	71-55-6	
1,1,2-Trichloroethane	ND ug/L		100	100		11/06/14 16:40	79-00-5	
Trichloroethene	ND ug/L		100	100		11/06/14 16:40	79-01-6	
Vinyl chloride	ND ug/L		100	100		11/06/14 16:40	75-01-4	
Xylene (Total)	ND ug/L		300	100		11/06/14 16:40	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	98 %		80-120	100		11/06/14 16:40	460-00-4	
Toluene-d8 (S)	103 %		80-120	100		11/06/14 16:40	2037-26-5	
1,2-Dichloroethane-d4 (S)	104 %		80-120	100		11/06/14 16:40	17060-07-0	
Preservation pH	6.0		1.0	100		11/06/14 16:40		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	95.4 mg/L		5.0	1		11/03/14 08:37		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

Sample: T1-053		Lab ID: 60181667001	Collected: 10/31/14 08:16	Received: 11/01/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	12.7	mg/L	5.0	1		11/03/14 08:45		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3080	mg/L	5.0	1		11/05/14 08:29		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.3	Std. Units	0.10	1		11/01/14 12:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	4650	mg/L	2.0	1	11/01/14 11:18	11/06/14 12:54		
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	140	mg/L	5.0	50		11/06/14 13:00	7664-41-7	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	18400	mg/L	2500	250		11/05/14 06:30		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

Sample: TRIP BLANK		Lab ID: 60181667002	Collected:	Received: 11/01/14 02:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Low						
Acetone	ND	ug/L	10.0	1		11/06/14 18:19	67-64-1	N2
Benzene	ND	ug/L	1.0	1		11/06/14 18:19	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		11/06/14 18:19	75-27-4	
Bromoform	ND	ug/L	1.0	1		11/06/14 18:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/06/14 18:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/06/14 18:19	78-93-3	N2
Carbon tetrachloride	ND	ug/L	1.0	1		11/06/14 18:19	56-23-5	
Chloroethane	ND	ug/L	1.0	1		11/06/14 18:19	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/06/14 18:19	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/06/14 18:19	106-46-7	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/06/14 18:19	107-06-2	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/06/14 18:19	156-59-2	N2
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/06/14 18:19	156-60-5	
Ethylbenzene	ND	ug/L	1.0	1		11/06/14 18:19	100-41-4	
Methylene chloride	2.2	ug/L	1.0	1		11/06/14 18:19	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/06/14 18:19	108-10-1	N2
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/06/14 18:19	79-34-5	N2
Tetrachloroethene	ND	ug/L	1.0	1		11/06/14 18:19	127-18-4	
Toluene	ND	ug/L	1.0	1		11/06/14 18:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/06/14 18:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/06/14 18:19	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/06/14 18:19	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		11/06/14 18:19	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/06/14 18:19	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	92 %		80-120	1		11/06/14 18:19	460-00-4	
Toluene-d8 (S)	101 %		80-120	1		11/06/14 18:19	2037-26-5	
1,2-Dichloroethane-d4 (S)	113 %		80-120	1		11/06/14 18:19	17060-07-0	
Preservation pH	6.0		1.0	1		11/06/14 18:19		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch: MERP/8999

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 60181667001

METHOD BLANK: 1471915

Matrix: Water

Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	11/04/14 09:39	

LABORATORY CONTROL SAMPLE: 1471916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1471917 1471918

Parameter	Units	60181494001 Result	MS		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result							
Mercury	ug/L	ND	150	99.3	150	92.4	64	60	70-130	7	20	M1	

MATRIX SPIKE SAMPLE: 1471919

Parameter	Units	60181667001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L		18.1	116	65	70-130	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch: MERP/9007 Analysis Method: EPA 245.1
 QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury - Dissolved
 Associated Lab Samples: 60181667001

METHOD BLANK: 1472916 Matrix: Water
 Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	11/05/14 12:44	

LABORATORY CONTROL SAMPLE: 1472917

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.6	92	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1472918 1472919

Parameter	Units	60181384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	150	150	94.5	89.4	63	60	70-130	6	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch: MPRP/29614

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 60181667001

METHOD BLANK: 1471946

Matrix: Water

Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	75.0	11/04/14 17:40	
Antimony	ug/L	ND	10.0	11/04/14 17:40	
Arsenic	ug/L	ND	10.0	11/04/14 17:40	
Beryllium	ug/L	ND	1.0	11/04/14 17:40	
Cadmium	ug/L	ND	5.0	11/04/14 17:40	
Chromium	ug/L	ND	5.0	11/04/14 17:40	
Cobalt	ug/L	ND	5.0	11/04/14 17:40	
Copper	ug/L	ND	10.0	11/04/14 17:40	
Iron	ug/L	ND	50.0	11/06/14 11:52	
Lead	ug/L	ND	5.0	11/04/14 17:40	
Nickel	ug/L	ND	5.0	11/04/14 17:40	
Selenium	ug/L	ND	15.0	11/04/14 17:40	
Silver	ug/L	ND	7.0	11/04/14 17:40	
Thallium	ug/L	ND	20.0	11/04/14 17:40	
Zinc	ug/L	ND	50.0	11/04/14 17:40	

LABORATORY CONTROL SAMPLE: 1471947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9820	98	85-115	
Antimony	ug/L	1000	1030	103	85-115	
Arsenic	ug/L	1000	976	98	85-115	
Beryllium	ug/L	1000	971	97	85-115	
Cadmium	ug/L	1000	1010	101	85-115	
Chromium	ug/L	1000	958	96	85-115	
Cobalt	ug/L	1000	1020	102	85-115	
Copper	ug/L	1000	994	99	85-115	
Iron	ug/L	10000	10000	100	85-115	
Lead	ug/L	1000	1010	101	85-115	
Nickel	ug/L	1000	1020	102	85-115	
Selenium	ug/L	1000	1010	101	85-115	
Silver	ug/L	500	487	97	85-115	
Thallium	ug/L	1000	1030	103	85-115	
Zinc	ug/L	1000	959	96	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1471948												1471949	
Parameter	Units	60181494001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD			
Aluminum	ug/L	8300	50000	50000	62500	63200	108	110	70-130	1	20		
Antimony	ug/L	ND	5000	5000	5360	5420	107	108	70-130	1	20		
Arsenic	ug/L	424	5000	5000	5720	5790	106	107	70-130	1	20		
Beryllium	ug/L	ND	5000	5000	4920	4950	98	99	70-130	0	20		
Cadmium	ug/L	ND	5000	5000	5280	5330	106	107	70-130	1	20		
Chromium	ug/L	125	5000	5000	5040	5060	98	99	70-130	1	20		
Cobalt	ug/L	ND	5000	5000	5000	5030	100	100	70-130	1	20		
Copper	ug/L	ND	5000	5000	5200	5240	104	105	70-130	1	20		
Iron	ug/L	339000	50000	50000	372000	388000	65	98	70-130	4	20 M1		
Lead	ug/L	74.6	5000	5000	4760	4800	94	95	70-130	1	20		
Nickel	ug/L	71.0	5000	5000	5010	5060	99	100	70-130	1	20		
Selenium	ug/L	ND	5000	5000	5440	5520	109	110	70-130	1	20		
Silver	ug/L	ND	2500	2500	2630	2650	105	106	70-130	1	20		
Thallium	ug/L	ND	5000	5000	4450	4470	89	89	70-130	1	20		
Zinc	ug/L	2720	5000	5000	7320	7450	92	95	70-130	2	20		

MATRIX SPIKE SAMPLE: 1471950		60181577001	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Aluminum	ug/L	7480	50000	62800	111	70-130	
Antimony	ug/L	ND	5000	5420	108	70-130	
Arsenic	ug/L	384	5000	5760	107	70-130	
Beryllium	ug/L	ND	5000	4920	98	70-130	
Cadmium	ug/L	ND	5000	5300	106	70-130	
Chromium	ug/L	116	5000	5040	98	70-130	
Cobalt	ug/L	ND	5000	5010	100	70-130	
Copper	ug/L	ND	5000	5200	104	70-130	
Iron	ug/L	321000	50000	375000	109	70-130	
Lead	ug/L	71.8	5000	4840	95	70-130	
Nickel	ug/L	69.4	5000	5060	100	70-130	
Selenium	ug/L	ND	5000	5560	111	70-130	
Silver	ug/L	ND	2500	2610	104	70-130	
Thallium	ug/L	ND	5000	4470	89	70-130	
Zinc	ug/L	2520	5000	7300	96	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch: MPRP/29648

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Dissolved

Associated Lab Samples: 60181667001

METHOD BLANK: 1473036

Matrix: Water

Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	75.0	11/05/14 14:14	
Antimony, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Arsenic, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Beryllium, Dissolved	ug/L	ND	1.0	11/05/14 14:14	
Cadmium, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Chromium, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Cobalt, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Copper, Dissolved	ug/L	ND	10.0	11/05/14 14:14	
Iron, Dissolved	ug/L	ND	50.0	11/05/14 14:14	
Lead, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Nickel, Dissolved	ug/L	ND	5.0	11/05/14 14:14	
Selenium, Dissolved	ug/L	ND	15.0	11/05/14 14:14	
Silver, Dissolved	ug/L	ND	7.0	11/05/14 14:14	
Thallium, Dissolved	ug/L	ND	20.0	11/05/14 14:14	
Zinc, Dissolved	ug/L	ND	50.0	11/05/14 14:14	

LABORATORY CONTROL SAMPLE: 1473037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9960	100	85-115	
Antimony, Dissolved	ug/L	1000	1010	101	85-115	
Arsenic, Dissolved	ug/L	1000	959	96	85-115	
Beryllium, Dissolved	ug/L	1000	988	99	85-115	
Cadmium, Dissolved	ug/L	1000	996	100	85-115	
Chromium, Dissolved	ug/L	1000	986	99	85-115	
Cobalt, Dissolved	ug/L	1000	1020	102	85-115	
Copper, Dissolved	ug/L	1000	994	99	85-115	
Iron, Dissolved	ug/L	10000	9970	100	85-115	
Lead, Dissolved	ug/L	1000	1010	101	85-115	
Nickel, Dissolved	ug/L	1000	1020	102	85-115	
Selenium, Dissolved	ug/L	1000	982	98	85-115	
Silver, Dissolved	ug/L	500	484	97	85-115	
Thallium, Dissolved	ug/L	1000	1030	103	85-115	
Zinc, Dissolved	ug/L	1000	983	98	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

Parameter	Units	1473038		1473039		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		60181384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Aluminum, Dissolved	ug/L	ND	50000	50000	50100	50400	100	100	70-130	0	20	
Antimony, Dissolved	ug/L	ND	5000	5000	5180	5220	104	104	70-130	1	20	
Arsenic, Dissolved	ug/L	253	5000	5000	5340	5420	102	103	70-130	1	20	
Beryllium, Dissolved	ug/L	ND	5000	5000	4960	4950	99	99	70-130	0	20	
Cadmium, Dissolved	ug/L	ND	5000	5000	5120	5160	102	103	70-130	1	20	
Chromium, Dissolved	ug/L	66.1	5000	5000	5050	5050	100	100	70-130	0	20	
Cobalt, Dissolved	ug/L	ND	5000	5000	4980	4990	99	100	70-130	0	20	
Copper, Dissolved	ug/L	ND	5000	5000	5060	5080	101	102	70-130	0	20	
Iron, Dissolved	ug/L	66900	50000	50000	110000	117000	85	100	70-130	6	20	
Lead, Dissolved	ug/L	ND	5000	5000	4810	4790	96	96	70-130	0	20	
Nickel, Dissolved	ug/L	51.2	5000	5000	5000	5010	99	99	70-130	0	20	
Selenium, Dissolved	ug/L	ND	5000	5000	5230	5280	105	106	70-130	1	20	
Silver, Dissolved	ug/L	ND	2500	2500	2570	2580	103	103	70-130	0	20	
Thallium, Dissolved	ug/L	ND	5000	5000	4590	4560	92	91	70-130	0	20	
Zinc, Dissolved	ug/L	ND	5000	5000	4950	4950	97	97	70-130	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch: MSV/65575 Analysis Method: EPA 624 Low

QC Batch Method: EPA 624 Low Analysis Description: 624 MSV

Associated Lab Samples: 60181667001, 60181667002

METHOD BLANK: 1473963 Matrix: Water

Associated Lab Samples: 60181667001, 60181667002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	11/06/14 15:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/06/14 15:24	N2
1,1,2-Trichloroethane	ug/L	ND	1.0	11/06/14 15:24	
1,2-Dichloroethane	ug/L	ND	1.0	11/06/14 15:24	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/06/14 15:24	
2-Butanone (MEK)	ug/L	ND	10.0	11/06/14 15:24	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/06/14 15:24	N2
Acetone	ug/L	ND	10.0	11/06/14 15:24	N2
Benzene	ug/L	ND	1.0	11/06/14 15:24	
Bromodichloromethane	ug/L	ND	1.0	11/06/14 15:24	
Bromoform	ug/L	ND	1.0	11/06/14 15:24	
Bromomethane	ug/L	ND	5.0	11/06/14 15:24	
Carbon tetrachloride	ug/L	ND	1.0	11/06/14 15:24	
Chloroethane	ug/L	ND	1.0	11/06/14 15:24	
Chloroform	ug/L	ND	1.0	11/06/14 15:24	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/06/14 15:24	N2
Ethylbenzene	ug/L	ND	1.0	11/06/14 15:24	
Methylene chloride	ug/L	2.2	1.0	11/06/14 15:24	
Tetrachloroethene	ug/L	ND	1.0	11/06/14 15:24	
Toluene	ug/L	ND	1.0	11/06/14 15:24	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/06/14 15:24	
Trichloroethene	ug/L	ND	1.0	11/06/14 15:24	
Vinyl chloride	ug/L	ND	1.0	11/06/14 15:24	
Xylene (Total)	ug/L	ND	3.0	11/06/14 15:24	N2
1,2-Dichloroethane-d4 (S)	%	105	80-120	11/06/14 15:24	
4-Bromofluorobenzene (S)	%	101	80-120	11/06/14 15:24	
Toluene-d8 (S)	%	100	80-120	11/06/14 15:24	

LABORATORY CONTROL SAMPLE: 1473964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.9	99	67-129	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	100	67-127	N2
1,1,2-Trichloroethane	ug/L	20	20.0	100	67-124	
1,2-Dichloroethane	ug/L	20	19.9	100	70-126	
1,4-Dichlorobenzene	ug/L	20	18.9	94	74-120	
2-Butanone (MEK)	ug/L	100	90.5	91	42-153	N2
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.8	95	59-131	N2
Acetone	ug/L	100	82.8	83	38-134	N2
Benzene	ug/L	20	18.9	95	75-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

LABORATORY CONTROL SAMPLE: 1473964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	19.6	98	68-125	
Bromoform	ug/L	20	18.3	92	65-127	
Bromomethane	ug/L	20	20.5	103	13-157	
Carbon tetrachloride	ug/L	20	19.2	96	70-131	
Chloroethane	ug/L	20	18.3	92	47-133	
Chloroform	ug/L	20	18.6	93	65-127	
cis-1,2-Dichloroethene	ug/L	20	20.3	102	68-127	N2
Ethylbenzene	ug/L	20	18.7	94	74-122	
Methylene chloride	ug/L	20	17.7	88	64-129	
Tetrachloroethene	ug/L	20	18.4	92	73-125	
Toluene	ug/L	20	19.0	95	69-126	
trans-1,2-Dichloroethene	ug/L	20	17.9	89	66-129	
Trichloroethene	ug/L	20	19.2	96	71-123	
Vinyl chloride	ug/L	20	20.1	100	43-129	
Xylene (Total)	ug/L	60	58.6	98	75-121	N2
1,2-Dichloroethane-d4 (S)	%			106	80-120	
4-Bromofluorobenzene (S)	%			102	80-120	
Toluene-d8 (S)	%			100	80-120	

MATRIX SPIKE SAMPLE: 1473965

Parameter	Units	60181592002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	100	107	107	52-155	
1,1,2,2-Tetrachloroethane	ug/L	ND	100	139	139	46-146	N2
1,1,2-Trichloroethane	ug/L	ND	100	113	113	52-143	
1,2-Dichloroethane	ug/L	ND	100	105	105	49-144	
1,4-Dichlorobenzene	ug/L	8.7	100	109	101	33-140	
2-Butanone (MEK)	ug/L	ND	500	641	124	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	630	125	40-160	N2
Acetone	ug/L	52.1	500	643	118	10-160	N2
Benzene	ug/L	ND	100	101	100	37-151	
Bromodichloromethane	ug/L	ND	100	102	102	35-142	
Bromoform	ug/L	ND	100	111	111	45-142	
Bromomethane	ug/L	ND	100	109	109	10-158	
Carbon tetrachloride	ug/L	ND	100	109	109	70-140	
Chloroethane	ug/L	ND	100	95.6	96	19-152	
Chloroform	ug/L	ND	100	97.7	98	51-138	
cis-1,2-Dichloroethene	ug/L	ND	100	106	106	34-147	N2
Ethylbenzene	ug/L	ND	100	97.0	97	40-142	
Methylene chloride	ug/L	19.4	100	107	88	31-144	
Tetrachloroethene	ug/L	ND	100	106	106	64-148	
Toluene	ug/L	ND	100	101	101	47-150	
trans-1,2-Dichloroethene	ug/L	ND	100	106	106	54-151	
Trichloroethene	ug/L	ND	100	101	101	71-149	
Vinyl chloride	ug/L	ND	100	115	115	22-146	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

MATRIX SPIKE SAMPLE:		1473965					
Parameter	Units	60181592002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	ND	300	309	103	37-144	N2
1,2-Dichloroethane-d4 (S)	%				109	80-120	
4-Bromofluorobenzene (S)	%				106	80-120	F1
Toluene-d8 (S)	%				99	80-120	
Preservation pH		6.0		6.0			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053
Pace Project No.: 60181667

QC Batch: OEXT/46962 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 MSS
Associated Lab Samples: 60181667001

METHOD BLANK: 1472346 Matrix: Water
Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/05/14 18:22	
2,4,6-Trichlorophenol	ug/L	ND	5.0	11/05/14 18:22	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/05/14 18:22	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	11/05/14 18:22	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	11/05/14 18:22	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/05/14 18:22	
Hexachlorocyclopentadiene	ug/L	ND	5.0	11/05/14 18:22	
Hexachloroethane	ug/L	ND	5.0	11/05/14 18:22	
Naphthalene	ug/L	ND	5.0	11/05/14 18:22	
Nitrobenzene	ug/L	ND	5.0	11/05/14 18:22	
Pentachlorophenol	ug/L	ND	5.0	11/05/14 18:22	
Phenol	ug/L	ND	5.0	11/05/14 18:22	
2,4,6-Tribromophenol (S)	%	83	39-120	11/05/14 18:22	
2-Fluorobiphenyl (S)	%	85	39-120	11/05/14 18:22	
2-Fluorophenol (S)	%	50	17-120	11/05/14 18:22	
Nitrobenzene-d5 (S)	%	86	33-120	11/05/14 18:22	
Phenol-d6 (S)	%	32	11-120	11/05/14 18:22	
Terphenyl-d14 (S)	%	91	45-120	11/05/14 18:22	

LABORATORY CONTROL SAMPLE: 1472347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	46-120	
2,4,6-Trichlorophenol	ug/L	50	47.3	95	49-120	
2-Methylphenol(o-Cresol)	ug/L	50	40.3	81	40-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	50	37.0	74	34-120	N2
4,6-Dinitro-2-methylphenol	ug/L	50	54.4	109	40-133	
Hexachloro-1,3-butadiene	ug/L	50	40.5	81	44-116	
Hexachlorocyclopentadiene	ug/L	100	36.7	37	24-120	
Hexachloroethane	ug/L	50	39.8	80	43-113	
Naphthalene	ug/L	50	41.6	83	48-120	
Nitrobenzene	ug/L	50	43.2	86	48-120	
Pentachlorophenol	ug/L	50	51.5	103	47-120	
Phenol	ug/L	50	19.3	39	16-112	
2,4,6-Tribromophenol (S)	%			98	39-120	
2-Fluorobiphenyl (S)	%			91	39-120	
2-Fluorophenol (S)	%			52	17-120	
Nitrobenzene-d5 (S)	%			94	33-120	
Phenol-d6 (S)	%			35	11-120	
Terphenyl-d14 (S)	%			93	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

MATRIX SPIKE SAMPLE:		1472348					
Parameter	Units	60181592002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	35.6	71	44-120	
2,4,6-Trichlorophenol	ug/L	ND	50	40.5	81	50-120	
2-Methylphenol(o-Cresol)	ug/L	ND	50	39.5	79	30-120	N2
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	33.2	66	27-120	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	50	60.6	121	10-160	
Hexachloro-1,3-butadiene	ug/L	ND	50	32.9	66	39-116	
Hexachlorocyclopentadiene	ug/L	ND	100	36.4	36	11-120	
Hexachloroethane	ug/L	ND	50	33.5	67	40-113	
Naphthalene	ug/L	ND	50	34.9	67	45-120	
Nitrobenzene	ug/L	ND	50	41.2	82	38-120	
Pentachlorophenol	ug/L	ND	50	31.4	63	43-135	
Phenol	ug/L	ND	50	17.2	34	13-112	
2,4,6-Tribromophenol (S)	%				81	39-120	
2-Fluorobiphenyl (S)	%				73	39-120	
2-Fluorophenol (S)	%				46	17-120	
Nitrobenzene-d5 (S)	%				96	33-120	
Phenol-d6 (S)	%				32	11-120	
Terphenyl-d14 (S)	%				89	45-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch:	WET/51311	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	60181667001		

METHOD BLANK: 1471903 Matrix: Water
Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	11/03/14 08:35	

LABORATORY CONTROL SAMPLE: 1471904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.0	98	78-114	

MATRIX SPIKE SAMPLE: 1471906

Parameter	Units	60181590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	41.2	42.7	95	78-114	

SAMPLE DUPLICATE: 1471905

Parameter	Units	60181494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	41.2	40.8	1	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch: WET/51312

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 SGT-HEM, TPH

Associated Lab Samples: 60181667001

METHOD BLANK: 1471911

Matrix: Water

Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	11/03/14 08:43	

LABORATORY CONTROL SAMPLE: 1471912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	23.5	117	64-132	

MATRIX SPIKE SAMPLE: 1471914

Parameter	Units	60181590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	21.1	90	64-132	

SAMPLE DUPLICATE: 1471913

Parameter	Units	60181494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	5.6	6.4	13	34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch:	WET/51362	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60181667001		

METHOD BLANK: 1473002 Matrix: Water

Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	11/05/14 08:26	

SAMPLE DUPLICATE: 1473003

Parameter	Units	60181766001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	227	178	24	10	D6

SAMPLE DUPLICATE: 1473004

Parameter	Units	60181667001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	3080	3260	6	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch: WET/51306 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 60181667001

SAMPLE DUPLICATE: 1471499

Parameter	Units	60181303008 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.8	1	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch: WET/51309

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 60181667001

METHOD BLANK: 1471563

Matrix: Water

Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	11/06/14 12:42	

LABORATORY CONTROL SAMPLE: 1471564

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	177	89	85-115	

SAMPLE DUPLICATE: 1471568

Parameter	Units	60181667001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	4650	4810	3	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch: WETA/31691 Analysis Method: EPA 350.1
 QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
 Associated Lab Samples: 60181667001

METHOD BLANK: 1473868 Matrix: Water
 Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	11/06/14 12:44	

LABORATORY CONTROL SAMPLE: 1473869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	100	90-110	

MATRIX SPIKE SAMPLE: 1473870

Parameter	Units	60181540002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	91	90-110	

MATRIX SPIKE SAMPLE: 1473871

Parameter	Units	60181549001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	2	1.9	95	90-110	

SAMPLE DUPLICATE: 1473872

Parameter	Units	60181592002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	79.0	77.8	2	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

QC Batch:	WETA/31658	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
Associated Lab Samples:	60181667001		

METHOD BLANK: 1472430 Matrix: Water
Associated Lab Samples: 60181667001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	10.0	11/05/14 06:24	

LABORATORY CONTROL SAMPLE: 1472431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	50	53.8	108	90-110	

MATRIX SPIKE SAMPLE: 1472432

Parameter	Units	60181094002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	55.7	50	98.9	86	90-110	M1

MATRIX SPIKE SAMPLE: 1472434

Parameter	Units	60181444001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	2080	1250	3140	85	90-110	M1

SAMPLE DUPLICATE: 1472433

Parameter	Units	60181353001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	6770	7000	3	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

C9 Common Laboratory Contaminant.

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

F1 The sample was analyzed at a dilution due to foaming of the sample in the purge vessel.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON LF T1-053

Pace Project No.: 60181667

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60181667001	T1-053	EPA 200.7	MPRP/29614	EPA 200.7	ICP/22213
60181667001	T1-053	EPA 200.7	MPRP/29648	EPA 200.7	ICP/22232
60181667001	T1-053	EPA 245.1	MERP/8999	EPA 245.1	MERC/8952
60181667001	T1-053	EPA 245.1	MERP/9007	EPA 245.1	MERC/8960
60181667001	T1-053	EPA 625	OEXT/46962	EPA 625	MSSV/15123
60181667001	T1-053	EPA 624 Low	MSV/65575		
60181667002	TRIP BLANK	EPA 624 Low	MSV/65575		
60181667001	T1-053	EPA 1664A	WET/51311		
60181667001	T1-053	EPA 1664A	WET/51312		
60181667001	T1-053	SM 2540D	WET/51362		
60181667001	T1-053	SM 4500-H+B	WET/51306		
60181667001	T1-053	SM 5210B	WET/51309	SM 5210B	WET/51394
60181667001	T1-053	EPA 350.1	WETA/31691		
60181667001	T1-053	EPA 410.4	WETA/31658		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt

WO# : 60181667

 60181667

Client Name: Burr

Courier: Fed Ex UPS USPS Client Commercial Pace Other X1

Tracking #: _____ Pace Shipping Label Used? Yes No

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other

Thermometer Used: T-239 / T-194 Type of Ice: Wet Blue None Samples received on ice, cooling process has begun. (circle one)

Cooler Temperature: 4.4
 Temperature should be above freezing to 6°C

Optional
Proj Due Date:
Proj Name:

Date and initials of person examining contents: for 10 CW 11/1/14

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. pH BOD
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. <u>11/1/14</u>
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Includes date/time/ID/analyses Matrix: <u>WT</u>		13.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	BPSN initial pH 6.0 added 2.5 mL HNO3 final pH 5.0
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14. BPS3 initial pH 4.5 added 1.0 mL H2SO4 final pH 1.5
Exceptions: VOA, coliform, TOC, <u>O&G</u> , WI-DRO (water), Phenolics	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>CW</u> Lot # of added preservative <u>12512-37-10</u> <u>12787-19-8</u>
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): <u>covered</u>		15.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 11/1/14

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.
D = Compound identified in an analysis at a secondary dilution factor.
E = Compound's concentration exceeds the calibration range of the instrument at this dilution.
X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
M = Matrix assessment, QC analyses parameter exceeded control limits.
U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1730	T1-053	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 74-87-3	Chloromethane		U	ug/L	500	43.07	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 75-01-4	Vinyl chloride		U	ug/L	200	31.86	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 74-83-9	Bromomethane		U	ug/L	500	50.04	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 75-00-3	Chloroethane		U	ug/L	500	55.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 75-35-4	1,1-Dichloroethane		U	ug/L	100	47.11	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 75-09-2	Methylene chloride		U	ug/L	500	26.46	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 67-64-1	Acetone	93000	DX+	ug/L	10000	1556.07	10/31/2014	10/31/2014	10/31/2014	WG	1000	NA	5.0	NA	SW8260B	NALD5145				
NAL13026-1730	T1-053	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 1634-04-4	MTBE		U	ug/L	500	61.18	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 74-97-5	Bromochloromethane		U	ug/L	200	41.37	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 67-66-3	Chloroform		U	ug/L	100	15.73	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 78-93-3	2-Butanone	11000		ug/L	1000	81.18	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 71-43-2	Benzene		U	ug/L	100	13.53	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 79-01-6	Trichloroethene		U	ug/L	100	36.33	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 74-95-3	Dibromomethane		U	ug/L	200	32.20	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 75-27-4	Bromodichloromethane		U	ug/L	200	11.58	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 108-88-3	Toluene		U	ug/L	100	20.96	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 108-10-1	4-Methyl-2-pentanone	160	J	ug/L	500	74.00	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 127-18-4	Tetrachloroethene		U	ug/L	100	48.56	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 124-48-1	Dibromochloromethane		U	ug/L	200	29.90	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 591-78-6	2-Hexanone	94	J	ug/L	500	68.90	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 100-41-4	Ethylbenzene		U	ug/L	100	25.38	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 108-90-7	Chlorobenzene		U	ug/L	100	27.52	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG XYLMP	p&m-Xylene		U	ug/L	200	26.14	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 95-47-6	o-Xylene		U	ug/L	100	12.90	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 100-42-5	Styrene		U	ug/L	100	20.23	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 75-25-2	Bromoform		U	ug/L	200	46.83	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 98-82-8	Isopropylbenzene		U	ug/L	200	20.48	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 103-65-1	n-Propylbenzene		U	ug/L	200	27.00	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1730	T1-053	ORG 108-67-8	1,3,5-Trimethylbenzene	61	J	ug/L	200	20.03	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 95-63-6	1,2,4-Trimethylbenzene	110	J	ug/L	200	20.03	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 135-98-8	sec-Butylbenzene		U	ug/L	200	32.34	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 99-87-6	p-Isopropyltoluene	760		ug/L	200	25.48	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 106-46-7	1,4-Dichlorobenzene	220		ug/L	200	33.03	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 104-51-8	n-Butylbenzene		U	ug/L	500	27.81	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 91-20-3	Naphthalene	580		ug/L	500	56.04	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144				
NAL13026-1730	T1-053	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144	50	96%		
NAL13026-1730	T1-053	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144	50	96%		
NAL13026-1730	T1-053	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144	50	102%		
NAL13026-1730	T1-053	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5144	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103114CCVA	D103114CCVA	ORG 75-71-8	Dichlorodifluoromethane	44		ug/L	5	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	88%		
D103114CCVA	D103114CCVA	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	82%		
D103114CCVA	D103114CCVA	ORG 75-01-4	Vinyl chloride	52		ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	104%		
D103114CCVA	D103114CCVA	ORG 74-83-9	Bromomethane	57		ug/L	5	0.50	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	114%		
D103114CCVA	D103114CCVA	ORG 75-00-3	Chloroethane	40		ug/L	5	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	80%		
D103114CCVA	D103114CCVA	ORG 75-69-4	Trichlorofluoromethane	210		ug/L	5	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	420%		
D103114CCVA	D103114CCVA	ORG 75-35-4	1,1-Dichloroethene	41		ug/L	1	0.47	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	82%		
D103114CCVA	D103114CCVA	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	92%		
D103114CCVA	D103114CCVA	ORG 67-64-1	Acetone	68		ug/L	10	1.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	136%		
D103114CCVA	D103114CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	48		ug/L	1	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	96%		
D103114CCVA	D103114CCVA	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	106%		
D103114CCVA	D103114CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	90%		
D103114CCVA	D103114CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	55		ug/L	1	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	110%		
D103114CCVA	D103114CCVA	ORG 74-97-5	Bromochloromethane	51		ug/L	10	0.41	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	102%		
D103114CCVA	D103114CCVA	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	92%		
D103114CCVA	D103114CCVA	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	98%		
D103114CCVA	D103114CCVA	ORG 78-93-3	2-Butanone	56		ug/L	1	0.81	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	112%		
D103114CCVA	D103114CCVA	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	102%		
D103114CCVA	D103114CCVA	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	100%		
D103114CCVA	D103114CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	90%		
D103114CCVA	D103114CCVA	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	100%		
D103114CCVA	D103114CCVA	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	98%		
D103114CCVA	D103114CCVA	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	102%		
D103114CCVA	D103114CCVA	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	92%		
D103114CCVA	D103114CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	106%		
D103114CCVA	D103114CCVA	ORG 108-88-3	Toluene	46		ug/L	1	0.21	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	92%		
D103114CCVA	D103114CCVA	ORG 108-10-1	4-Methyl-2-pentanone	53		ug/L	5	0.74	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	106%		
D103114CCVA	D103114CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	112%		
D103114CCVA	D103114CCVA	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	94%		
D103114CCVA	D103114CCVA	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	90%		
D103114CCVA	D103114CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	100%		
D103114CCVA	D103114CCVA	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	100%		
D103114CCVA	D103114CCVA	ORG 591-78-6	2-Hexanone	49		ug/L	2	0.69	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	98%		
D103114CCVA	D103114CCVA	ORG 100-41-4	Ethylbenzene	56		ug/L	1	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	112%		
D103114CCVA	D103114CCVA	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	98%		
D103114CCVA	D103114CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	104%		
D103114CCVA	D103114CCVA	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	100	120%		
D103114CCVA	D103114CCVA	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	104%		
D103114CCVA	D103114CCVA	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	102%		
D103114CCVA	D103114CCVA	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	100%		
D103114CCVA	D103114CCVA	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	110%		
D103114CCVA	D103114CCVA	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	116%		
D103114CCVA	D103114CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	90%		
D103114CCVA	D103114CCVA	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	88%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103114CCVA	D103114CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	102%		
D103114CCVA	D103114CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	106%		
D103114CCVA	D103114CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	104%		
D103114CCVA	D103114CCVA	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	108%		
D103114CCVA	D103114CCVA	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	108%		
D103114CCVA	D103114CCVA	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	106%		
D103114CCVA	D103114CCVA	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	98%		
D103114CCVA	D103114CCVA	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	106%		
D103114CCVA	D103114CCVA	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	106%		
D103114CCVA	D103114CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	48		ug/L	5	1.59	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	96%		
D103114CCVA	D103114CCVA	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	98%		
D103114CCVA	D103114CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	92%		
D103114CCVA	D103114CCVA	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	94%		
D103114CCVA	D103114CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	102%		
D103114CCVA	D103114CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	98%		
D103114CCVA	D103114CCVA	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	90%		
D103114CCVA	D103114CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	94%		
D103114CCVA	D103114CCVA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5141	50	106%		

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.
D = Compound identified in an analysis at a secondary dilution factor.
E = Compound's concentration exceeds the calibration range of the instrument at this dilution.
X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
M = Matrix assessment, QC analyses parameter exceeded control limits.
U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103114MBKA	D103114MBKA	ORG 75-71-8	Dichlorodifluoromethane	U	ug/L	5	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 74-87-3	Chloromethane	U	ug/L	5	0.43	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 75-01-4	Vinyl chloride	U	ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 74-83-9	Bromomethane	U	ug/L	5	0.50	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 75-00-3	Chloroethane	U	ug/L	5	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 75-69-4	Trichlorofluoromethane	U	ug/L	5	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 75-35-4	1,1-Dichloroethene	U	ug/L	1	0.47	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 75-09-2	Methylene chloride	U	ug/L	5	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 67-64-1	Acetone	U	ug/L	10	1.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U	ug/L	1	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 1634-04-4	MTBE	U	ug/L	5	0.61	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 75-34-3	1,1-Dichloroethane	U	ug/L	1	0.53	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U	ug/L	1	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 74-97-5	Bromochloromethane	U	ug/L	10	0.41	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 67-66-3	Chloroform	U	ug/L	2	0.16	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U	ug/L	1	0.17	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 78-93-3	2-Butanone	U	ug/L	1	0.81	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 56-23-5	Carbon tetrachloride	U	ug/L	1	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 71-43-2	Benzene	U	ug/L	1	0.14	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 107-06-2	1,2-Dichloroethane	U	ug/L	1	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 79-01-6	Trichloroethene	U	ug/L	1	0.36	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 74-95-3	Dibromomethane	U	ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 78-87-5	1,2-Dichloropropane	U	ug/L	1	0.18	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 75-27-4	Bromodichloromethane	U	ug/L	2	0.12	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U	ug/L	1	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 108-88-3	Toluene	U	ug/L	1	0.21	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U	ug/L	5	0.74	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U	ug/L	1	0.31	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 127-18-4	Tetrachloroethene	U	ug/L	1	0.49	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U	ug/L	1	0.34	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 124-48-1	Dibromochloromethane	U	ug/L	5	0.30	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 106-93-4	1,2-Dibromoethane	U	ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 591-78-6	2-Hexanone	U	ug/L	2	0.69	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 100-41-4	Ethylbenzene	U	ug/L	1	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 108-90-7	Chlorobenzene	U	ug/L	1	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U	ug/L	2	0.19	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG XYLMP	p&m-Xylene	U	ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 95-47-6	o-Xylene	U	ug/L	1	0.13	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 100-42-5	Styrene	U	ug/L	1	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 75-25-2	Bromoform	U	ug/L	2	0.47	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 98-82-8	Isopropylbenzene	U	ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 103-65-1	n-Propylbenzene	U	ug/L	2	0.27	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U	ug/L	2	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					
D103114MBKA	D103114MBKA	ORG 96-18-4	1,2,3-Trichloropropane	U	ug/L	2	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142					

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103114MBKA	D103114MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142				
D103114MBKA	D103114MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142	50	94%		
D103114MBKA	D103114MBKA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142	50	96%		
D103114MBKA	D103114MBKA	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142	50	100%		
D103114MBKA	D103114MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5142	50	110%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103114ALCS	D103114ALCS	ORG 75-71-8	Dichlorodifluoromethane	46		ug/L	5	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	92%		
D103114ALCS	D103114ALCS	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	88%		
D103114ALCS	D103114ALCS	ORG 75-01-4	Vinyl chloride	55		ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	110%		
D103114ALCS	D103114ALCS	ORG 74-83-9	Bromomethane	55		ug/L	5	0.50	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	110%		
D103114ALCS	D103114ALCS	ORG 75-00-3	Chloroethane	49		ug/L	5	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	98%		
D103114ALCS	D103114ALCS	ORG 75-69-4	Trichlorofluoromethane	230		ug/L	5	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	460%		
D103114ALCS	D103114ALCS	ORG 75-35-4	1,1-Dichloroethene	47		ug/L	1	0.47	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	94%		
D103114ALCS	D103114ALCS	ORG 75-09-2	Methylene chloride	34		ug/L	5	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	68%		
D103114ALCS	D103114ALCS	ORG 67-64-1	Acetone	51		ug/L	10	1.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	102%		
D103114ALCS	D103114ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	41		ug/L	1	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	82%		
D103114ALCS	D103114ALCS	ORG 1634-04-4	MTBE	56		ug/L	5	0.61	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	112%		
D103114ALCS	D103114ALCS	ORG 75-34-3	1,1-Dichloroethane	48		ug/L	1	0.53	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	96%		
D103114ALCS	D103114ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	108%		
D103114ALCS	D103114ALCS	ORG 74-97-5	Bromochloromethane	52		ug/L	10	0.41	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	104%		
D103114ALCS	D103114ALCS	ORG 67-66-3	Chloroform	49		ug/L	2	0.16	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	98%		
D103114ALCS	D103114ALCS	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	102%		
D103114ALCS	D103114ALCS	ORG 78-93-3	2-Butanone	59		ug/L	1	0.81	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	118%		
D103114ALCS	D103114ALCS	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	104%		
D103114ALCS	D103114ALCS	ORG 71-43-2	Benzene	53		ug/L	1	0.14	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	106%		
D103114ALCS	D103114ALCS	ORG 107-06-2	1,2-Dichloroethane	51		ug/L	1	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	102%		
D103114ALCS	D103114ALCS	ORG 79-01-6	Trichloroethene	52		ug/L	1	0.36	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	104%		
D103114ALCS	D103114ALCS	ORG 74-95-3	Dibromomethane	52		ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	104%		
D103114ALCS	D103114ALCS	ORG 78-87-5	1,2-Dichloropropane	53		ug/L	1	0.18	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	106%		
D103114ALCS	D103114ALCS	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	94%		
D103114ALCS	D103114ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	110%		
D103114ALCS	D103114ALCS	ORG 108-88-3	Toluene	48		ug/L	1	0.21	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	96%		
D103114ALCS	D103114ALCS	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	112%		
D103114ALCS	D103114ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	58		ug/L	1	0.31	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	116%		
D103114ALCS	D103114ALCS	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	92%		
D103114ALCS	D103114ALCS	ORG 79-00-5	1,1,2-Trichloroethane	49		ug/L	1	0.34	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	98%		
D103114ALCS	D103114ALCS	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	104%		
D103114ALCS	D103114ALCS	ORG 106-93-4	1,2-Dibromoethane	54		ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	108%		
D103114ALCS	D103114ALCS	ORG 591-78-6	2-Hexanone	50		ug/L	2	0.69	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	100%		
D103114ALCS	D103114ALCS	ORG 100-41-4	Ethylbenzene	57		ug/L	1	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	114%		
D103114ALCS	D103114ALCS	ORG 108-90-7	Chlorobenzene	50		ug/L	1	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	100%		
D103114ALCS	D103114ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	53		ug/L	2	0.19	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	106%		
D103114ALCS	D103114ALCS	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	100	120%		
D103114ALCS	D103114ALCS	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	106%		
D103114ALCS	D103114ALCS	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	104%		
D103114ALCS	D103114ALCS	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	98%		
D103114ALCS	D103114ALCS	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	108%		
D103114ALCS	D103114ALCS	ORG 103-65-1	n-Propylbenzene	60		ug/L	2	0.27	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	120%		
D103114ALCS	D103114ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	50		ug/L	2	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	100%		
D103114ALCS	D103114ALCS	ORG 96-18-4	1,2,3-Trichloropropane	49		ug/L	2	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	98%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103114ALCS	D103114ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	106%		
D103114ALCS	D103114ALCS	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	108%		
D103114ALCS	D103114ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	54		ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	108%		
D103114ALCS	D103114ALCS	ORG 135-98-8	sec-Butylbenzene	55		ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	110%		
D103114ALCS	D103114ALCS	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	110%		
D103114ALCS	D103114ALCS	ORG 99-87-6	p-Isopropyltoluene	54		ug/L	2	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	108%		
D103114ALCS	D103114ALCS	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	100%		
D103114ALCS	D103114ALCS	ORG 95-50-1	1,2-Dichlorobenzene	55		ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	110%		
D103114ALCS	D103114ALCS	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	110%		
D103114ALCS	D103114ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	51		ug/L	5	1.59	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	102%		
D103114ALCS	D103114ALCS	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	92%		
D103114ALCS	D103114ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	88%		
D103114ALCS	D103114ALCS	ORG 91-20-3	Naphthalene	49		ug/L	5	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	98%		
D103114ALCS	D103114ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	52		ug/L	5	0.23	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	104%		
D103114ALCS	D103114ALCS	STD 1868-53-7	Dibromofluoromethane	52		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	104%		
D103114ALCS	D103114ALCS	STD 17060-07-0	1,2-Dichloroethane d4	49		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	98%		
D103114ALCS	D103114ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	94%		
D103114ALCS	D103114ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5146	50	102%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103114ALCD	D103114ALCD	ORG 75-71-8	Dichlorodifluoromethane	42		ug/L	5	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	84%	9%	
D103114ALCD	D103114ALCD	ORG 74-87-3	Chloromethane	43		ug/L	5	0.43	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	86%	2%	
D103114ALCD	D103114ALCD	ORG 75-01-4	Vinyl chloride	50		ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	100%	10%	
D103114ALCD	D103114ALCD	ORG 74-83-9	Bromomethane	37		ug/L	5	0.50	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	74%	39%	
D103114ALCD	D103114ALCD	ORG 75-00-3	Chloroethane	43		ug/L	5	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	86%	13%	
D103114ALCD	D103114ALCD	ORG 75-69-4	Trichlorofluoromethane	71		ug/L	5	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	142%	106%	
D103114ALCD	D103114ALCD	ORG 75-35-4	1,1-Dichloroethene	39		ug/L	1	0.47	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	78%	19%	
D103114ALCD	D103114ALCD	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	92%	30%	
D103114ALCD	D103114ALCD	ORG 67-64-1	Acetone	85		ug/L	10	1.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	170%	50%	
D103114ALCD	D103114ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	94%	14%	
D103114ALCD	D103114ALCD	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	104%	7%	
D103114ALCD	D103114ALCD	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	92%	4%	
D103114ALCD	D103114ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	55		ug/L	1	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	110%	2%	
D103114ALCD	D103114ALCD	ORG 74-97-5	Bromochloromethane	51		ug/L	10	0.41	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	102%	2%	
D103114ALCD	D103114ALCD	ORG 67-66-3	Chloroform	48		ug/L	2	0.16	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	96%	2%	
D103114ALCD	D103114ALCD	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	98%	4%	
D103114ALCD	D103114ALCD	ORG 78-93-3	2-Butanone	48		ug/L	1	0.81	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	96%	21%	
D103114ALCD	D103114ALCD	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	100%	4%	
D103114ALCD	D103114ALCD	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	102%	4%	
D103114ALCD	D103114ALCD	ORG 107-06-2	1,2-Dichloroethane	48		ug/L	1	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	96%	6%	
D103114ALCD	D103114ALCD	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	100%	4%	
D103114ALCD	D103114ALCD	ORG 74-95-3	Dibromomethane	51		ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	102%	2%	
D103114ALCD	D103114ALCD	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	102%	4%	
D103114ALCD	D103114ALCD	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	94%	0%	
D103114ALCD	D103114ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	110%	0%	
D103114ALCD	D103114ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	94%	2%	
D103114ALCD	D103114ALCD	ORG 108-10-1	4-Methyl-2-pentanone	57		ug/L	5	0.74	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	114%	2%	
D103114ALCD	D103114ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	114%	2%	
D103114ALCD	D103114ALCD	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	96%	4%	
D103114ALCD	D103114ALCD	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	94%	4%	
D103114ALCD	D103114ALCD	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	102%	2%	
D103114ALCD	D103114ALCD	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	104%	4%	
D103114ALCD	D103114ALCD	ORG 591-78-6	2-Hexanone	52		ug/L	2	0.69	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	104%	4%	
D103114ALCD	D103114ALCD	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	110%	4%	
D103114ALCD	D103114ALCD	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	96%	4%	
D103114ALCD	D103114ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	102%	4%	
D103114ALCD	D103114ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	100	110%	9%	
D103114ALCD	D103114ALCD	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	104%	2%	
D103114ALCD	D103114ALCD	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	102%	2%	
D103114ALCD	D103114ALCD	ORG 75-25-2	Bromoform	50		ug/L	2	0.47	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	100%	2%	
D103114ALCD	D103114ALCD	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	108%	0%	
D103114ALCD	D103114ALCD	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	116%	3%	
D103114ALCD	D103114ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	96%	4%	
D103114ALCD	D103114ALCD	ORG 96-18-4	1,2,3-Trichloropropane	48		ug/L	2	0.29	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	96%	2%	

Confidential
D103114AKCF

D103114AKCF



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D103114ALCD	D103114ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	104%	2%	
D103114ALCD	D103114ALCD	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	104%	4%	
D103114ALCD	D103114ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	104%	4%	
D103114ALCD	D103114ALCD	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	106%	4%	
D103114ALCD	D103114ALCD	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	108%	2%	
D103114ALCD	D103114ALCD	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	104%	4%	
D103114ALCD	D103114ALCD	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	100%	0%	
D103114ALCD	D103114ALCD	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	106%	4%	
D103114ALCD	D103114ALCD	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	106%	4%	
D103114ALCD	D103114ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	106%	4%	
D103114ALCD	D103114ALCD	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	94%	2%	
D103114ALCD	D103114ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	90%	2%	
D103114ALCD	D103114ALCD	ORG 91-20-3	Naphthalene	50		ug/L	5	0.56	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	100%	2%	
D103114ALCD	D103114ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	100%	4%	
D103114ALCD	D103114ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	100%	4%	
D103114ALCD	D103114ALCD	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	92%	6%	
D103114ALCD	D103114ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	94%	0%	
D103114ALCD	D103114ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	10/31/2014	10/31/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5147	50	102%	0%	



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1730MS	T1-053	ORG 75-71-8	Dichlorodifluoromethane	4100		ug/L	500	29.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	82%		
NAL13026-1730MS	T1-053	ORG 74-87-3	Chloromethane	4300		ug/L	500	43.07	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	86%		
NAL13026-1730MS	T1-053	ORG 75-01-4	Vinyl chloride	4900		ug/L	200	31.86	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	98%		
NAL13026-1730MS	T1-053	ORG 74-83-9	Bromomethane	4200		ug/L	500	50.04	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	84%		
NAL13026-1730MS	T1-053	ORG 75-00-3	Chloroethane	3900		ug/L	500	55.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	78%		
NAL13026-1730MS	T1-053	ORG 75-69-4	Trichlorofluoromethane	7800		ug/L	500	19.65	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	156%		
NAL13026-1730MS	T1-053	ORG 75-35-4	1,1-Dichloroethene	3900		ug/L	100	47.11	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	78%		
NAL13026-1730MS	T1-053	ORG 75-09-2	Methylene chloride	4500		ug/L	500	26.46	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	90%		
NAL13026-1730MS	T1-053	ORG 67-64-1	Acetone	81000		ug/L	1000	155.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	-240%		93000
NAL13026-1730MS	T1-053	ORG 156-60-5	trans-1,2-Dichloroethene	4400		ug/L	100	55.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	88%		
NAL13026-1730MS	T1-053	ORG 1634-04-4	MTBE	5300		ug/L	500	61.18	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	106%		
NAL13026-1730MS	T1-053	ORG 75-34-3	1,1-Dichloroethane	4500		ug/L	100	52.66	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	90%		
NAL13026-1730MS	T1-053	ORG 156-59-2	cis-1,2-Dichloroethene	5400		ug/L	100	32.11	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	108%		
NAL13026-1730MS	T1-053	ORG 74-97-5	Bromochloromethane	4900		ug/L	1000	41.37	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	98%		
NAL13026-1730MS	T1-053	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	94%		
NAL13026-1730MS	T1-053	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	98%		
NAL13026-1730MS	T1-053	ORG 78-93-3	2-Butanone	18000		ug/L	100	81.18	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	140%		11000
NAL13026-1730MS	T1-053	ORG 56-23-5	Carbon tetrachloride	5000		ug/L	100	27.64	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	100%		
NAL13026-1730MS	T1-053	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	100%		
NAL13026-1730MS	T1-053	ORG 107-06-2	1,2-Dichloroethane	4700		ug/L	100	20.01	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	94%		
NAL13026-1730MS	T1-053	ORG 79-01-6	Trichloroethene	5000		ug/L	100	36.33	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	100%		
NAL13026-1730MS	T1-053	ORG 74-95-3	Dibromomethane	5200		ug/L	200	32.20	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	104%		
NAL13026-1730MS	T1-053	ORG 78-87-5	1,2-Dichloropropane	5200		ug/L	100	18.17	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	104%		
NAL13026-1730MS	T1-053	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	92%		
NAL13026-1730MS	T1-053	ORG 10061-01-5	cis-1,3-Dichloropropene	5500		ug/L	100	25.01	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	110%		
NAL13026-1730MS	T1-053	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	92%		
NAL13026-1730MS	T1-053	ORG 108-10-1	4-Methyl-2-pentanone	5800		ug/L	500	74.00	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	113%		160
NAL13026-1730MS	T1-053	ORG 10061-02-6	trans-1,3-Dichloropropene	5700		ug/L	100	31.15	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	114%		
NAL13026-1730MS	T1-053	ORG 127-18-4	Tetrachloroethene	4900		ug/L	100	48.56	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	98%		
NAL13026-1730MS	T1-053	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	92%		
NAL13026-1730MS	T1-053	ORG 124-48-1	Dibromochloromethane	5100		ug/L	500	29.90	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	102%		
NAL13026-1730MS	T1-053	ORG 106-93-4	1,2-Dibromoethane	5200		ug/L	200	26.49	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	104%		
NAL13026-1730MS	T1-053	ORG 591-78-6	2-Hexanone	3500		ug/L	200	68.90	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	68%		94
NAL13026-1730MS	T1-053	ORG 100-41-4	Ethylbenzene	5400		ug/L	100	25.38	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	108%		
NAL13026-1730MS	T1-053	ORG 108-90-7	Chlorobenzene	4800		ug/L	100	27.52	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	96%		
NAL13026-1730MS	T1-053	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5000		ug/L	200	19.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	100%		
NAL13026-1730MS	T1-053	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	10000	110%		
NAL13026-1730MS	T1-053	ORG 95-47-6	o-Xylene	5200		ug/L	100	12.90	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	104%		
NAL13026-1730MS	T1-053	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	104%		
NAL13026-1730MS	T1-053	ORG 75-25-2	Bromofomr	5000		ug/L	200	46.83	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	100%		
NAL13026-1730MS	T1-053	ORG 98-82-8	Isopropylbenzene	5400		ug/L	200	20.48	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	108%		
NAL13026-1730MS	T1-053	ORG 103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	114%		
NAL13026-1730MS	T1-053	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4800		ug/L	200	29.16	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	96%		
NAL13026-1730MS	T1-053	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	94%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1730MS	T1-053	ORG 108-67-8	1,3,5-Trimethylbenzene	5100		ug/L	200	20.03	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	101%		61
NAL13026-1730MS	T1-053	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	104%		
NAL13026-1730MS	T1-053	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	104%		110
NAL13026-1730MS	T1-053	ORG 135-98-8	sec-Butylbenzene	5200		ug/L	200	32.34	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	104%		
NAL13026-1730MS	T1-053	ORG 541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	106%		
NAL13026-1730MS	T1-053	ORG 99-87-6	p-Isopropyltoluene	5800		ug/L	200	25.48	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	101%		760
NAL13026-1730MS	T1-053	ORG 106-46-7	1,4-Dichlorobenzene	5100		ug/L	200	33.03	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	98%		220
NAL13026-1730MS	T1-053	ORG 95-50-1	1,2-Dichlorobenzene	5500		ug/L	200	26.38	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	110%		
NAL13026-1730MS	T1-053	ORG 104-51-8	n-Butylbenzene	5300		ug/L	500	27.81	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	106%		
NAL13026-1730MS	T1-053	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6200		ug/L	500	159.11	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	124%		
NAL13026-1730MS	T1-053	ORG 87-68-3	Hexachlorobutadiene	4900		ug/L	500	65.42	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	98%		
NAL13026-1730MS	T1-053	ORG 120-82-1	1,2,4-Trichlorobenzene	4900		ug/L	500	27.63	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	98%		
NAL13026-1730MS	T1-053	ORG 91-20-3	Naphthalene	6300		ug/L	500	56.04	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	114%		580
NAL13026-1730MS	T1-053	ORG 87-61-6	1,2,3-Trichlorobenzene	5200		ug/L	500	23.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	5000	104%		
NAL13026-1730MS	T1-053	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	50	98%		
NAL13026-1730MS	T1-053	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	50	92%		
NAL13026-1730MS	T1-053	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	50	94%		
NAL13026-1730MS	T1-053	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5148	50	106%		



Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1730MSD	T1-053	ORG 75-71-8	Dichlorodifluoromethane	4300		ug/L	500	29.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	86%	5%	
NAL13026-1730MSD	T1-053	ORG 74-87-3	Chloromethane	4400		ug/L	500	43.07	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	88%	2%	
NAL13026-1730MSD	T1-053	ORG 75-01-4	Vinyl chloride	5000		ug/L	200	31.86	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	100%	2%	
NAL13026-1730MSD	T1-053	ORG 74-83-9	Bromomethane	3300		ug/L	500	50.04	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	66%	24%	
NAL13026-1730MSD	T1-053	ORG 75-00-3	Chloroethane	3900		ug/L	500	55.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	78%	0%	
NAL13026-1730MSD	T1-053	ORG 75-69-4	Trichlorofluoromethane	7100		ug/L	500	19.65	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	142%	9%	
NAL13026-1730MSD	T1-053	ORG 75-35-4	1,1-Dichloroethene	5700		ug/L	100	47.11	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	114%	38%	
NAL13026-1730MSD	T1-053	ORG 75-09-2	Methylene chloride	4400		ug/L	500	26.46	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	88%	2%	
NAL13026-1730MSD	T1-053	ORG 67-64-1	Acetone	80000		ug/L	1000	155.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	-260%	1%	93000
NAL13026-1730MSD	T1-053	ORG 156-60-5	trans-1,2-Dichloroethene	4700		ug/L	100	55.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	94%	7%	
NAL13026-1730MSD	T1-053	ORG 1634-04-4	MTBE	5400		ug/L	500	61.18	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	108%	2%	
NAL13026-1730MSD	T1-053	ORG 75-34-3	1,1-Dichloroethane	4600		ug/L	100	52.66	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	92%	2%	
NAL13026-1730MSD	T1-053	ORG 156-59-2	cis-1,2-Dichloroethene	5500		ug/L	100	32.11	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	110%	2%	
NAL13026-1730MSD	T1-053	ORG 74-97-5	Bromochloromethane	4900		ug/L	1000	41.37	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	98%	0%	
NAL13026-1730MSD	T1-053	ORG 67-66-3	Chloroform	4700		ug/L	200	15.73	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	94%	0%	
NAL13026-1730MSD	T1-053	ORG 71-55-6	1,1,1-Trichloroethane	4900		ug/L	100	16.65	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	98%	0%	
NAL13026-1730MSD	T1-053	ORG 78-93-3	2-Butanone	18000		ug/L	100	81.18	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	140%	0%	11000
NAL13026-1730MSD	T1-053	ORG 56-23-5	Carbon tetrachloride	5000		ug/L	100	27.64	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	100%	0%	
NAL13026-1730MSD	T1-053	ORG 71-43-2	Benzene	5000		ug/L	100	13.53	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	100%	0%	
NAL13026-1730MSD	T1-053	ORG 107-06-2	1,2-Dichloroethane	4600		ug/L	100	20.01	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	92%	2%	
NAL13026-1730MSD	T1-053	ORG 79-01-6	Trichloroethene	5000		ug/L	100	36.33	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	100%	0%	
NAL13026-1730MSD	T1-053	ORG 74-95-3	Dibromomethane	5100		ug/L	200	32.20	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	102%	2%	
NAL13026-1730MSD	T1-053	ORG 78-87-5	1,2-Dichloropropane	5300		ug/L	100	18.17	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	106%	2%	
NAL13026-1730MSD	T1-053	ORG 75-27-4	Bromodichloromethane	4600		ug/L	200	11.58	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	92%	0%	
NAL13026-1730MSD	T1-053	ORG 10061-01-5	cis-1,3-Dichloropropene	5500		ug/L	100	25.01	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	110%	0%	
NAL13026-1730MSD	T1-053	ORG 108-88-3	Toluene	4600		ug/L	100	20.96	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	92%	0%	
NAL13026-1730MSD	T1-053	ORG 108-10-1	4-Methyl-2-pentanone	5600		ug/L	500	74.00	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	109%	4%	160
NAL13026-1730MSD	T1-053	ORG 10061-02-6	trans-1,3-Dichloropropene	5600		ug/L	100	31.15	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	112%	2%	
NAL13026-1730MSD	T1-053	ORG 127-18-4	Tetrachloroethene	5100		ug/L	100	48.56	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	102%	4%	
NAL13026-1730MSD	T1-053	ORG 79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	92%	0%	
NAL13026-1730MSD	T1-053	ORG 124-48-1	Dibromochloromethane	5000		ug/L	500	29.90	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	100%	2%	
NAL13026-1730MSD	T1-053	ORG 106-93-4	1,2-Dibromoethane	5300		ug/L	200	26.49	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	106%	2%	
NAL13026-1730MSD	T1-053	ORG 591-78-6	2-Hexanone	3600		ug/L	200	68.90	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	70%	3%	94
NAL13026-1730MSD	T1-053	ORG 100-41-4	Ethylbenzene	5500		ug/L	100	25.38	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	110%	2%	
NAL13026-1730MSD	T1-053	ORG 108-90-7	Chlorobenzene	4900		ug/L	100	27.52	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	98%	2%	
NAL13026-1730MSD	T1-053	ORG 630-20-6	1,1,1,2-Tetrachloroethane	5100		ug/L	200	19.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	102%	2%	
NAL13026-1730MSD	T1-053	ORG XYLMP	p&m-Xylene	11000		ug/L	200	26.14	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	10000	110%	0%	
NAL13026-1730MSD	T1-053	ORG 95-47-6	o-Xylene	5300		ug/L	100	12.90	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	106%	2%	
NAL13026-1730MSD	T1-053	ORG 100-42-5	Styrene	5200		ug/L	100	20.23	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	104%	0%	
NAL13026-1730MSD	T1-053	ORG 75-25-2	Bromofom	5100		ug/L	200	46.83	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	102%	2%	
NAL13026-1730MSD	T1-053	ORG 98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	110%	2%	
NAL13026-1730MSD	T1-053	ORG 103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	116%	2%	
NAL13026-1730MSD	T1-053	ORG 79-34-5	1,1,2,2-Tetrachloroethane	4700		ug/L	200	29.16	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	94%	2%	
NAL13026-1730MSD	T1-053	ORG 96-18-4	1,2,3-Trichloropropane	4700		ug/L	200	29.47	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	94%	0%	

Confidential
D103114AKCF

D103114AKCF



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1730MSD	T1-053	ORG 108-67-8	1,3,5-Trimethylbenzene	5200		ug/L	200	20.03	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	103%	2%	61
NAL13026-1730MSD	T1-053	ORG 98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	104%	0%	
NAL13026-1730MSD	T1-053	ORG 95-63-6	1,2,4-Trimethylbenzene	5300		ug/L	200	20.03	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	104%	0%	110
NAL13026-1730MSD	T1-053	ORG 135-98-8	sec-Butylbenzene	5300		ug/L	200	32.34	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	106%	2%	
NAL13026-1730MSD	T1-053	ORG 541-73-1	1,3-Dichlorobenzene	5400		ug/L	200	22.21	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	108%	2%	
NAL13026-1730MSD	T1-053	ORG 99-87-6	p-Isopropyltoluene	5900		ug/L	200	25.48	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	103%	2%	760
NAL13026-1730MSD	T1-053	ORG 106-46-7	1,4-Dichlorobenzene	5200		ug/L	200	33.03	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	100%	2%	220
NAL13026-1730MSD	T1-053	ORG 95-50-1	1,2-Dichlorobenzene	5500		ug/L	200	26.38	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	110%	0%	
NAL13026-1730MSD	T1-053	ORG 104-51-8	n-Butylbenzene	5400		ug/L	500	27.81	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	108%	2%	
NAL13026-1730MSD	T1-053	ORG 96-12-8	1,2-Dibromo-3-chloropropane	6000		ug/L	500	159.11	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	120%	3%	
NAL13026-1730MSD	T1-053	ORG 87-68-3	Hexachlorobutadiene	5000		ug/L	500	65.42	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	100%	2%	
NAL13026-1730MSD	T1-053	ORG 120-82-1	1,2,4-Trichlorobenzene	5100		ug/L	500	27.63	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	102%	4%	
NAL13026-1730MSD	T1-053	ORG 91-20-3	Naphthalene	6400		ug/L	500	56.04	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	116%	2%	580
NAL13026-1730MSD	T1-053	ORG 87-61-6	1,2,3-Trichlorobenzene	5300		ug/L	500	23.28	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	5000	106%	2%	
NAL13026-1730MSD	T1-053	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	50	98%	0%	
NAL13026-1730MSD	T1-053	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	50	92%	0%	
NAL13026-1730MSD	T1-053	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	50	94%	0%	
NAL13026-1730MSD	T1-053	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	10/31/2014	10/31/2014	10/31/2014	WG	100	NA	5.0	NA	SW8260B	NALD5149	50	108%	2%	

FINAL ANALYTICAL REPORT

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1731	T1-054	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	250	14.64	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 74-87-3	Chloromethane		UX-	ug/L	250	21.54	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 75-01-4	Vinyl chloride		U	ug/L	100	15.93	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 74-83-9	Bromomethane		U	ug/L	250	25.02	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 75-00-3	Chloroethane		U	ug/L	250	27.80	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	250	9.83	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 75-35-4	1,1-Dichloroethene		UX-	ug/L	50	23.55	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 75-09-2	Methylene chloride		U	ug/L	250	13.23	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 67-64-1	Acetone	69000	DX+	ug/L	5000	778.04	11/1/2014	11/1/2014	11/1/2014	WG	500	NA	5.0	NA	SW8260B	NALD5154				
NAL13026-1731	T1-054	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	50	27.80	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 1634-04-4	MTBE		U	ug/L	250	30.59	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	50	26.33	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	50	16.06	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 74-97-5	Bromochloromethane		U	ug/L	100	20.68	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 67-66-3	Chloroform		U	ug/L	50	7.86	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	50	8.33	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 78-93-3	2-Butanone	8200	D	ug/L	5000	405.90	11/1/2014	11/1/2014	11/1/2014	WG	500	NA	5.0	NA	SW8260B	NALD5154				
NAL13026-1731	T1-054	ORG 56-23-5	Carbon tetrachloride		U	ug/L	50	13.82	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 71-43-2	Benzene		U	ug/L	50	6.76	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	50	10.00	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 79-01-6	Trichloroethene		U	ug/L	50	18.17	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 74-95-3	Dibromomethane		U	ug/L	100	16.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	50	9.08	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 75-27-4	Bromodichloromethane		U	ug/L	100	5.79	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	50	12.50	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 108-88-3	Toluene		U	ug/L	50	10.48	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 108-10-1	4-Methyl-2-pentanone	190	J	ug/L	250	37.00	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	50	15.57	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 127-18-4	Tetrachloroethene		U	ug/L	50	24.28	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	50	17.14	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 124-48-1	Dibromochloromethane		U	ug/L	100	14.95	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	100	13.24	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 591-78-6	2-Hexanone	120	JX-	ug/L	250	34.45	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 100-41-4	Ethylbenzene		U	ug/L	50	12.69	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 108-90-7	Chlorobenzene		U	ug/L	50	13.76	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	100	9.64	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG XYLMP	p&m-Xylene		U	ug/L	100	13.07	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 95-47-6	o-Xylene	6.8	J	ug/L	50	6.45	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 100-42-5	Styrene		U	ug/L	50	10.12	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 75-25-2	Bromoform		U	ug/L	100	23.41	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 98-82-8	Isopropylbenzene	47	J	ug/L	100	10.24	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 103-65-1	n-Propylbenzene		U	ug/L	100	13.50	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	100	14.58	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1731	T1-054	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	100	14.73	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 108-67-8	1,3,5-Trimethylbenzene	37	J	ug/L	100	10.01	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 98-06-6	tert-Butylbenzene		U	ug/L	100	16.30	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 95-63-6	1,2,4-Trimethylbenzene	100	J	ug/L	100	10.01	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 135-98-8	sec-Butylbenzene		U	ug/L	100	16.17	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	100	11.11	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 99-87-6	p-Isopropyltoluene	600		ug/L	100	12.74	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 106-46-7	1,4-Dichlorobenzene	190		ug/L	100	16.52	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	100	13.19	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 104-51-8	n-Butylbenzene	32	J	ug/L	250	13.90	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	250	79.56	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	250	32.71	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	250	13.81	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 91-20-3	Naphthalene	780		ug/L	250	28.02	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	250	11.64	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153				
NAL13026-1731	T1-054	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153	50	96%		
NAL13026-1731	T1-054	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153	50	92%		
NAL13026-1731	T1-054	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153	50	100%		
NAL13026-1731	T1-054	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5153	50	110%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D11014CCVA	D11014CCVA	ORG 75-71-8	Dichlorodifluoromethane	43		ug/L	5	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	86%		
D11014CCVA	D11014CCVA	ORG 74-87-3	Chloromethane	39		ug/L	5	0.43	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	78%		
D11014CCVA	D11014CCVA	ORG 75-01-4	Vinyl chloride	54		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	108%		
D11014CCVA	D11014CCVA	ORG 74-83-9	Bromomethane	57		ug/L	5	0.50	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	114%		
D11014CCVA	D11014CCVA	ORG 75-00-3	Chloroethane	43		ug/L	5	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	86%		
D11014CCVA	D11014CCVA	ORG 75-69-4	Trichlorofluoromethane	400		ug/L	5	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	800%		
D11014CCVA	D11014CCVA	ORG 75-35-4	1,1-Dichloroethene	38		ug/L	1	0.47	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	76%		
D11014CCVA	D11014CCVA	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	92%		
D11014CCVA	D11014CCVA	ORG 67-64-1	Acetone	64		ug/L	10	1.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	128%		
D11014CCVA	D11014CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	49		ug/L	1	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	98%		
D11014CCVA	D11014CCVA	ORG 1634-04-4	MTBE	51		ug/L	5	0.61	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	102%		
D11014CCVA	D11014CCVA	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	94%		
D11014CCVA	D11014CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	56		ug/L	1	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	112%		
D11014CCVA	D11014CCVA	ORG 74-97-5	Bromochloromethane	52		ug/L	10	0.41	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	104%		
D11014CCVA	D11014CCVA	ORG 67-66-3	Chloroform	48		ug/L	2	0.16	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	96%		
D11014CCVA	D11014CCVA	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	102%		
D11014CCVA	D11014CCVA	ORG 78-93-3	2-Butanone	47		ug/L	1	0.81	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	94%		
D11014CCVA	D11014CCVA	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	104%		
D11014CCVA	D11014CCVA	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	102%		
D11014CCVA	D11014CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	90%		
D11014CCVA	D11014CCVA	ORG 79-01-6	Trichloroethene	51		ug/L	1	0.36	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	102%		
D11014CCVA	D11014CCVA	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	96%		
D11014CCVA	D11014CCVA	ORG 78-87-5	1,2-Dichloropropane	51		ug/L	1	0.18	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	102%		
D11014CCVA	D11014CCVA	ORG 75-27-4	Bromodichloromethane	47		ug/L	2	0.12	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	94%		
D11014CCVA	D11014CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	108%		
D11014CCVA	D11014CCVA	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	94%		
D11014CCVA	D11014CCVA	ORG 108-10-1	4-Methyl-2-pentanone	45		ug/L	5	0.74	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	90%		
D11014CCVA	D11014CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	108%		
D11014CCVA	D11014CCVA	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	96%		
D11014CCVA	D11014CCVA	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	88%		
D11014CCVA	D11014CCVA	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	98%		
D11014CCVA	D11014CCVA	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	98%		
D11014CCVA	D11014CCVA	ORG 591-78-6	2-Hexanone	38		ug/L	2	0.69	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	76%		
D11014CCVA	D11014CCVA	ORG 100-41-4	Ethylbenzene	59		ug/L	1	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	118%		
D11014CCVA	D11014CCVA	ORG 108-90-7	Chlorobenzene	51		ug/L	1	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	102%		
D11014CCVA	D11014CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	54		ug/L	2	0.19	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	108%		
D11014CCVA	D11014CCVA	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	100	120%		
D11014CCVA	D11014CCVA	ORG 95-47-6	o-Xylene	54		ug/L	1	0.13	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	108%		
D11014CCVA	D11014CCVA	ORG 100-42-5	Styrene	53		ug/L	1	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	106%		
D11014CCVA	D11014CCVA	ORG 75-25-2	Bromoform	47		ug/L	2	0.47	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	94%		
D11014CCVA	D11014CCVA	ORG 98-82-8	Isopropylbenzene	57		ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	114%		
D11014CCVA	D11014CCVA	ORG 103-65-1	n-Propylbenzene	60		ug/L	2	0.27	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	120%		
D11014CCVA	D11014CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	43		ug/L	2	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	86%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110114CCVA	D110114CCVA	ORG 96-18-4	1,2,3-Trichloropropane	42		ug/L	2	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	84%		
D110114CCVA	D110114CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	53		ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	106%		
D110114CCVA	D110114CCVA	ORG 98-06-6	tert-Butylbenzene	55		ug/L	2	0.33	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	110%		
D110114CCVA	D110114CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	54		ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	108%		
D110114CCVA	D110114CCVA	ORG 135-98-8	sec-Butylbenzene	56		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	112%		
D110114CCVA	D110114CCVA	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	110%		
D110114CCVA	D110114CCVA	ORG 99-87-6	p-Isopropyltoluene	55		ug/L	2	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	110%		
D110114CCVA	D110114CCVA	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	98%		
D110114CCVA	D110114CCVA	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	108%		
D110114CCVA	D110114CCVA	ORG 104-51-8	n-Butylbenzene	54		ug/L	5	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	108%		
D110114CCVA	D110114CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	42		ug/L	5	1.59	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	84%		
D110114CCVA	D110114CCVA	ORG 87-68-3	Hexachlorobutadiene	50		ug/L	5	0.65	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	100%		
D110114CCVA	D110114CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	90%		
D110114CCVA	D110114CCVA	ORG 91-20-3	Naphthalene	42		ug/L	5	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	84%		
D110114CCVA	D110114CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	48		ug/L	5	0.23	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	96%		
D110114CCVA	D110114CCVA	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	100%		
D110114CCVA	D110114CCVA	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	88%		
D110114CCVA	D110114CCVA	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	96%		
D110114CCVA	D110114CCVA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5151	50	106%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110114MBKA	D110114MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110114MBKA	D110114MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152				
D110114MBKA	D110114MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152	50	94%		
D110114MBKA	D110114MBKA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152	50	96%		
D110114MBKA	D110114MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152	50	102%		
D110114MBKA	D110114MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5152	50	110%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110114ALCS	D110114ALCS	ORG 75-71-8	Dichlorodifluoromethane	48		ug/L	5	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	96%		
D110114ALCS	D110114ALCS	ORG 74-87-3	Chloromethane	44		ug/L	5	0.43	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	88%		
D110114ALCS	D110114ALCS	ORG 75-01-4	Vinyl chloride	55		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	110%		
D110114ALCS	D110114ALCS	ORG 74-83-9	Bromomethane	63		ug/L	5	0.50	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	126%		
D110114ALCS	D110114ALCS	ORG 75-00-3	Chloroethane	45		ug/L	5	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	90%		
D110114ALCS	D110114ALCS	ORG 75-69-4	Trichlorofluoromethane	320		ug/L	5	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	640%		
D110114ALCS	D110114ALCS	ORG 75-35-4	1,1-Dichloroethene	50		ug/L	1	0.47	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	100%		
D110114ALCS	D110114ALCS	ORG 75-09-2	Methylene chloride	34		ug/L	5	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	68%		
D110114ALCS	D110114ALCS	ORG 67-64-1	Acetone	39		ug/L	10	1.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	78%		
D110114ALCS	D110114ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	41		ug/L	1	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	82%		
D110114ALCS	D110114ALCS	ORG 1634-04-4	MTBE	48		ug/L	5	0.61	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	96%		
D110114ALCS	D110114ALCS	ORG 75-34-3	1,1-Dichloroethane	52		ug/L	1	0.53	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	104%		
D110114ALCS	D110114ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	58		ug/L	1	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	116%		
D110114ALCS	D110114ALCS	ORG 74-97-5	Bromochloromethane	54		ug/L	10	0.41	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	108%		
D110114ALCS	D110114ALCS	ORG 67-66-3	Chloroform	50		ug/L	2	0.16	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	100%		
D110114ALCS	D110114ALCS	ORG 71-55-6	1,1,1-Trichloroethane	51		ug/L	1	0.17	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	102%		
D110114ALCS	D110114ALCS	ORG 78-93-3	2-Butanone	59		ug/L	1	0.81	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	118%		
D110114ALCS	D110114ALCS	ORG 56-23-5	Carbon tetrachloride	53		ug/L	1	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	106%		
D110114ALCS	D110114ALCS	ORG 71-43-2	Benzene	53		ug/L	1	0.14	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	106%		
D110114ALCS	D110114ALCS	ORG 107-06-2	1,2-Dichloroethane	49		ug/L	1	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	98%		
D110114ALCS	D110114ALCS	ORG 79-01-6	Trichloroethene	52		ug/L	1	0.36	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	104%		
D110114ALCS	D110114ALCS	ORG 74-95-3	Dibromomethane	52		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	104%		
D110114ALCS	D110114ALCS	ORG 78-87-5	1,2-Dichloropropane	53		ug/L	1	0.18	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	106%		
D110114ALCS	D110114ALCS	ORG 75-27-4	Bromodichloromethane	49		ug/L	2	0.12	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	98%		
D110114ALCS	D110114ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	57		ug/L	1	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	114%		
D110114ALCS	D110114ALCS	ORG 108-88-3	Toluene	49		ug/L	1	0.21	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	98%		
D110114ALCS	D110114ALCS	ORG 108-10-1	4-Methyl-2-pentanone	52		ug/L	5	0.74	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	104%		
D110114ALCS	D110114ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	114%		
D110114ALCS	D110114ALCS	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	96%		
D110114ALCS	D110114ALCS	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	94%		
D110114ALCS	D110114ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	102%		
D110114ALCS	D110114ALCS	ORG 106-93-4	1,2-Dibromoethane	53		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	106%		
D110114ALCS	D110114ALCS	ORG 591-78-6	2-Hexanone	44		ug/L	2	0.69	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	88%		
D110114ALCS	D110114ALCS	ORG 100-41-4	Ethylbenzene	58		ug/L	1	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	116%		
D110114ALCS	D110114ALCS	ORG 108-90-7	Chlorobenzene	51		ug/L	1	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	102%		
D110114ALCS	D110114ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	53		ug/L	2	0.19	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	106%		
D110114ALCS	D110114ALCS	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	100	120%		
D110114ALCS	D110114ALCS	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	106%		
D110114ALCS	D110114ALCS	ORG 100-42-5	Styrene	53		ug/L	1	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	106%		
D110114ALCS	D110114ALCS	ORG 75-25-2	Bromoform	49		ug/L	2	0.47	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	98%		
D110114ALCS	D110114ALCS	ORG 98-82-8	Isopropylbenzene	56		ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	112%		
D110114ALCS	D110114ALCS	ORG 103-65-1	n-Propylbenzene	60		ug/L	2	0.27	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	120%		
D110114ALCS	D110114ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	48		ug/L	2	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	96%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110114ALCS	D110114ALCS	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	92%		
D110114ALCS	D110114ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	54		ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	108%		
D110114ALCS	D110114ALCS	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	108%		
D110114ALCS	D110114ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	54		ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	108%		
D110114ALCS	D110114ALCS	ORG 135-98-8	sec-Butylbenzene	55		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	110%		
D110114ALCS	D110114ALCS	ORG 541-73-1	1,3-Dichlorobenzene	55		ug/L	2	0.22	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	110%		
D110114ALCS	D110114ALCS	ORG 99-87-6	p-Isopropyltoluene	54		ug/L	2	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	108%		
D110114ALCS	D110114ALCS	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	100%		
D110114ALCS	D110114ALCS	ORG 95-50-1	1,2-Dichlorobenzene	55		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	110%		
D110114ALCS	D110114ALCS	ORG 104-51-8	n-Butylbenzene	55		ug/L	5	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	110%		
D110114ALCS	D110114ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	49		ug/L	5	1.59	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	98%		
D110114ALCS	D110114ALCS	ORG 87-68-3	Hexachlorobutadiene	48		ug/L	5	0.65	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	96%		
D110114ALCS	D110114ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	92%		
D110114ALCS	D110114ALCS	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	92%		
D110114ALCS	D110114ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	102%		
D110114ALCS	D110114ALCS	STD 1868-53-7	Dibromofluoromethane	51		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	102%		
D110114ALCS	D110114ALCS	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	96%		
D110114ALCS	D110114ALCS	STD 2037-26-5	Toluene d8	48		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	96%		
D110114ALCS	D110114ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5155	50	104%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110114ALCD	D110114ALCD	ORG 75-71-8	Dichlorodifluoromethane	44		ug/L	5	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	88%	9%	
D110114ALCD	D110114ALCD	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	84%	5%	
D110114ALCD	D110114ALCD	ORG 75-01-4	Vinyl chloride	50		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	100%	10%	
D110114ALCD	D110114ALCD	ORG 74-83-9	Bromomethane	47		ug/L	5	0.50	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	94%	29%	
D110114ALCD	D110114ALCD	ORG 75-00-3	Chloroethane	38		ug/L	5	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	76%	17%	
D110114ALCD	D110114ALCD	ORG 75-69-4	Trichlorofluoromethane	180		ug/L	5	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	360%	56%	
D110114ALCD	D110114ALCD	ORG 75-35-4	1,1-Dichloroethene	48		ug/L	1	0.47	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	96%	4%	
D110114ALCD	D110114ALCD	ORG 75-09-2	Methylene chloride	35		ug/L	5	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	70%	3%	
D110114ALCD	D110114ALCD	ORG 67-64-1	Acetone	44		ug/L	10	1.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	88%	12%	
D110114ALCD	D110114ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	43		ug/L	1	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	86%	5%	
D110114ALCD	D110114ALCD	ORG 1634-04-4	MTBE	57		ug/L	5	0.61	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	114%	17%	
D110114ALCD	D110114ALCD	ORG 75-34-3	1,1-Dichloroethane	47		ug/L	1	0.53	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	94%	10%	
D110114ALCD	D110114ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	56		ug/L	1	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	112%	4%	
D110114ALCD	D110114ALCD	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	100%	8%	
D110114ALCD	D110114ALCD	ORG 67-66-3	Chloroform	48		ug/L	2	0.16	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	96%	4%	
D110114ALCD	D110114ALCD	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	100%	2%	
D110114ALCD	D110114ALCD	ORG 78-93-3	2-Butanone	50		ug/L	1	0.81	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	100%	17%	
D110114ALCD	D110114ALCD	ORG 56-23-5	Carbon tetrachloride	51		ug/L	1	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	102%	4%	
D110114ALCD	D110114ALCD	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	102%	4%	
D110114ALCD	D110114ALCD	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	94%	4%	
D110114ALCD	D110114ALCD	ORG 79-01-6	Trichloroethene	51		ug/L	1	0.36	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	102%	2%	
D110114ALCD	D110114ALCD	ORG 74-95-3	Dibromomethane	50		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	100%	4%	
D110114ALCD	D110114ALCD	ORG 78-87-5	1,2-Dichloropropane	52		ug/L	1	0.18	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	104%	2%	
D110114ALCD	D110114ALCD	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	92%	6%	
D110114ALCD	D110114ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	108%	5%	
D110114ALCD	D110114ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	94%	4%	
D110114ALCD	D110114ALCD	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	108%	4%	
D110114ALCD	D110114ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	112%	2%	
D110114ALCD	D110114ALCD	ORG 127-18-4	Tetrachloroethene	47		ug/L	1	0.49	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	94%	2%	
D110114ALCD	D110114ALCD	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	92%	2%	
D110114ALCD	D110114ALCD	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	100%	2%	
D110114ALCD	D110114ALCD	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	102%	4%	
D110114ALCD	D110114ALCD	ORG 591-78-6	2-Hexanone	49		ug/L	2	0.69	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	98%	11%	
D110114ALCD	D110114ALCD	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	110%	5%	
D110114ALCD	D110114ALCD	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	98%	4%	
D110114ALCD	D110114ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	102%	4%	
D110114ALCD	D110114ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	100	110%	9%	
D110114ALCD	D110114ALCD	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	102%	4%	
D110114ALCD	D110114ALCD	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	102%	4%	
D110114ALCD	D110114ALCD	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	98%	0%	
D110114ALCD	D110114ALCD	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	108%	4%	
D110114ALCD	D110114ALCD	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	116%	3%	
D110114ALCD	D110114ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	92%	4%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110114ALCD	D110114ALCD	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	90%	2%	
D110114ALCD	D110114ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	102%	6%	
D110114ALCD	D110114ALCD	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	106%	2%	
D110114ALCD	D110114ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	52		ug/L	2	0.20	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	104%	4%	
D110114ALCD	D110114ALCD	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	106%	4%	
D110114ALCD	D110114ALCD	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	108%	2%	
D110114ALCD	D110114ALCD	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	106%	2%	
D110114ALCD	D110114ALCD	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	98%	2%	
D110114ALCD	D110114ALCD	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	106%	4%	
D110114ALCD	D110114ALCD	ORG 104-51-8	n-Butylbenzene	53		ug/L	5	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	106%	4%	
D110114ALCD	D110114ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	50		ug/L	5	1.59	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	100%	2%	
D110114ALCD	D110114ALCD	ORG 87-68-3	Hexachlorobutadiene	48		ug/L	5	0.65	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	96%	0%	
D110114ALCD	D110114ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	92%	0%	
D110114ALCD	D110114ALCD	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	94%	2%	
D110114ALCD	D110114ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	98%	4%	
D110114ALCD	D110114ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	100%	2%	
D110114ALCD	D110114ALCD	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	90%	6%	
D110114ALCD	D110114ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	94%	2%	
D110114ALCD	D110114ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	11/1/2014	11/1/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5156	50	102%	2%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1731MS	T1-054	ORG 75-71-8	Dichlorodifluoromethane	2100		ug/L	250	14.64	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	84%		
NAL13026-1731MS	T1-054	ORG 74-87-3	Chloromethane	2000		ug/L	250	21.54	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	80%		
NAL13026-1731MS	T1-054	ORG 75-01-4	Vinyl chloride	2400		ug/L	100	15.93	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		
NAL13026-1731MS	T1-054	ORG 74-83-9	Bromomethane	2600		ug/L	250	25.02	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		
NAL13026-1731MS	T1-054	ORG 75-00-3	Chloroethane	1800		ug/L	250	27.80	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	72%		
NAL13026-1731MS	T1-054	ORG 75-69-4	Trichlorofluoromethane	13000		ug/L	250	9.83	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	520%		
NAL13026-1731MS	T1-054	ORG 75-35-4	1,1-Dichloroethene	2300		ug/L	50	23.55	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	92%		
NAL13026-1731MS	T1-054	ORG 75-09-2	Methylene chloride	1900		ug/L	250	13.23	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	76%		
NAL13026-1731MS	T1-054	ORG 67-64-1	Acetone	76000		ug/L	500	77.80	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	280%		69000
NAL13026-1731MS	T1-054	ORG 156-60-5	trans-1,2-Dichloroethene	2400		ug/L	50	27.80	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		
NAL13026-1731MS	T1-054	ORG 1634-04-4	MTBE	2700		ug/L	250	30.59	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	108%		
NAL13026-1731MS	T1-054	ORG 75-34-3	1,1-Dichloroethane	2300		ug/L	50	26.33	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	92%		
NAL13026-1731MS	T1-054	ORG 156-59-2	cis-1,2-Dichloroethene	2900		ug/L	50	16.06	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	116%		
NAL13026-1731MS	T1-054	ORG 74-97-5	Bromochloromethane	2600		ug/L	500	20.68	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		
NAL13026-1731MS	T1-054	ORG 67-66-3	Chloroform	2400		ug/L	100	7.86	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		
NAL13026-1731MS	T1-054	ORG 71-55-6	1,1,1-Trichloroethane	2500		ug/L	50	8.33	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	100%		
NAL13026-1731MS	T1-054	ORG 78-93-3	2-Butanone	15000		ug/L	50	40.59	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	272%		8200
NAL13026-1731MS	T1-054	ORG 56-23-5	Carbon tetrachloride	2600		ug/L	50	13.82	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		
NAL13026-1731MS	T1-054	ORG 71-43-2	Benzene	2600		ug/L	50	6.76	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		
NAL13026-1731MS	T1-054	ORG 107-06-2	1,2-Dichloroethane	2400		ug/L	50	10.00	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		
NAL13026-1731MS	T1-054	ORG 79-01-6	Trichloroethene	2600		ug/L	50	18.17	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		
NAL13026-1731MS	T1-054	ORG 74-95-3	Dibromomethane	2700		ug/L	100	16.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	108%		
NAL13026-1731MS	T1-054	ORG 78-87-5	1,2-Dichloropropane	2700		ug/L	50	9.08	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	108%		
NAL13026-1731MS	T1-054	ORG 75-27-4	Bromodichloromethane	2400		ug/L	100	5.79	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		
NAL13026-1731MS	T1-054	ORG 10061-01-5	cis-1,3-Dichloropropene	2800		ug/L	50	12.50	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	112%		
NAL13026-1731MS	T1-054	ORG 108-88-3	Toluene	2400		ug/L	50	10.48	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		
NAL13026-1731MS	T1-054	ORG 108-10-1	4-Methyl-2-pentanone	2800		ug/L	250	37.00	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		190
NAL13026-1731MS	T1-054	ORG 10061-02-6	trans-1,3-Dichloropropene	2900		ug/L	50	15.57	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	116%		
NAL13026-1731MS	T1-054	ORG 127-18-4	Tetrachloroethene	2400		ug/L	50	24.28	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		
NAL13026-1731MS	T1-054	ORG 79-00-5	1,1,2-Trichloroethane	2300		ug/L	50	17.14	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	92%		
NAL13026-1731MS	T1-054	ORG 124-48-1	Dibromochloromethane	2600		ug/L	250	14.95	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		
NAL13026-1731MS	T1-054	ORG 106-93-4	1,2-Dibromoethane	2700		ug/L	100	13.24	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	108%		
NAL13026-1731MS	T1-054	ORG 591-78-6	2-Hexanone	1700		ug/L	100	34.45	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	63%		120
NAL13026-1731MS	T1-054	ORG 100-41-4	Ethylbenzene	2800		ug/L	50	12.69	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	112%		
NAL13026-1731MS	T1-054	ORG 108-90-7	Chlorobenzene	2400		ug/L	50	13.76	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		
NAL13026-1731MS	T1-054	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2600		ug/L	100	9.64	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		
NAL13026-1731MS	T1-054	ORG XYLMP	p&m-Xylene	5700		ug/L	100	13.07	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	5000	114%		
NAL13026-1731MS	T1-054	ORG 95-47-6	o-Xylene	2700		ug/L	50	6.45	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	108%		6.8
NAL13026-1731MS	T1-054	ORG 100-42-5	Styrene	2600		ug/L	50	10.12	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		
NAL13026-1731MS	T1-054	ORG 75-25-2	Bromoform	2500		ug/L	100	23.41	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	100%		
NAL13026-1731MS	T1-054	ORG 98-82-8	Isopropylbenzene	2800		ug/L	100	10.24	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	110%		47
NAL13026-1731MS	T1-054	ORG 103-65-1	n-Propylbenzene	2900		ug/L	100	13.50	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	116%		
NAL13026-1731MS	T1-054	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2400		ug/L	100	14.58	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1731MS	T1-054	ORG 96-18-4	1,2,3-Trichloropropane	2300		ug/L	100	14.73	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	92%		
NAL13026-1731MS	T1-054	ORG 108-67-8	1,3,5-Trimethylbenzene	2600		ug/L	100	10.01	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	103%		37
NAL13026-1731MS	T1-054	ORG 98-06-6	tert-Butylbenzene	2600		ug/L	100	16.30	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		
NAL13026-1731MS	T1-054	ORG 95-63-6	1,2,4-Trimethylbenzene	2700		ug/L	100	10.01	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		100
NAL13026-1731MS	T1-054	ORG 135-98-8	sec-Butylbenzene	2700		ug/L	100	16.17	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	108%		
NAL13026-1731MS	T1-054	ORG 541-73-1	1,3-Dichlorobenzene	2700		ug/L	100	11.11	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	108%		
NAL13026-1731MS	T1-054	ORG 99-87-6	p-Isopropyltoluene	3100		ug/L	100	12.74	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	100%		600
NAL13026-1731MS	T1-054	ORG 106-46-7	1,4-Dichlorobenzene	2600		ug/L	100	16.52	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		190
NAL13026-1731MS	T1-054	ORG 95-50-1	1,2-Dichlorobenzene	2800		ug/L	100	13.19	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	112%		
NAL13026-1731MS	T1-054	ORG 104-51-8	n-Butylbenzene	2700		ug/L	250	13.90	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	107%		32
NAL13026-1731MS	T1-054	ORG 96-12-8	1,2-Dibromo-3-chloropropane	3200		ug/L	250	79.56	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	128%		
NAL13026-1731MS	T1-054	ORG 87-68-3	Hexachlorobutadiene	2400		ug/L	250	32.71	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	96%		
NAL13026-1731MS	T1-054	ORG 120-82-1	1,2,4-Trichlorobenzene	2600		ug/L	250	13.81	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	104%		
NAL13026-1731MS	T1-054	ORG 91-20-3	Naphthalene	3700		ug/L	250	28.02	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	117%		780
NAL13026-1731MS	T1-054	ORG 87-61-6	1,2,3-Trichlorobenzene	2700		ug/L	250	11.64	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	2500	108%		
NAL13026-1731MS	T1-054	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	50	100%		
NAL13026-1731MS	T1-054	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	50	90%		
NAL13026-1731MS	T1-054	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	50	94%		
NAL13026-1731MS	T1-054	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5157	50	108%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1731MSD	T1-054	ORG 75-71-8	Dichlorodifluoromethane	2100		ug/L	250	14.64	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	84%	0%	
NAL13026-1731MSD	T1-054	ORG 74-87-3	Chloromethane	2000		ug/L	250	21.54	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	80%	0%	
NAL13026-1731MSD	T1-054	ORG 75-01-4	Vinyl chloride	2400		ug/L	100	15.93	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	96%	0%	
NAL13026-1731MSD	T1-054	ORG 74-83-9	Bromomethane	2300		ug/L	250	25.02	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	92%	12%	
NAL13026-1731MSD	T1-054	ORG 75-00-3	Chloroethane	1800		ug/L	250	27.80	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	72%	0%	
NAL13026-1731MSD	T1-054	ORG 75-69-4	Trichlorofluoromethane	15000		ug/L	250	9.83	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	600%	14%	
NAL13026-1731MSD	T1-054	ORG 75-35-4	1,1-Dichloroethene	2200		ug/L	50	23.55	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	88%	4%	
NAL13026-1731MSD	T1-054	ORG 75-09-2	Methylene chloride	2200		ug/L	250	13.23	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	88%	15%	
NAL13026-1731MSD	T1-054	ORG 67-64-1	Acetone	70000		ug/L	500	77.80	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	40%	8%	69000
NAL13026-1731MSD	T1-054	ORG 156-60-5	trans-1,2-Dichloroethene	2400		ug/L	50	27.80	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	96%	0%	
NAL13026-1731MSD	T1-054	ORG 1634-04-4	MTBE	2700		ug/L	250	30.59	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	108%	0%	
NAL13026-1731MSD	T1-054	ORG 75-34-3	1,1-Dichloroethane	2300		ug/L	50	26.33	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	92%	0%	
NAL13026-1731MSD	T1-054	ORG 156-59-2	cis-1,2-Dichloroethene	2900		ug/L	50	16.06	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	116%	0%	
NAL13026-1731MSD	T1-054	ORG 74-97-5	Bromochloromethane	2500		ug/L	500	20.68	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	100%	4%	
NAL13026-1731MSD	T1-054	ORG 67-66-3	Chloroform	2300		ug/L	100	7.86	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	92%	4%	
NAL13026-1731MSD	T1-054	ORG 71-55-6	1,1,1-Trichloroethane	2500		ug/L	50	8.33	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	100%	0%	
NAL13026-1731MSD	T1-054	ORG 78-93-3	2-Butanone	15000		ug/L	50	40.59	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	272%	0%	8200
NAL13026-1731MSD	T1-054	ORG 56-23-5	Carbon tetrachloride	2500		ug/L	50	13.82	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	100%	4%	
NAL13026-1731MSD	T1-054	ORG 71-43-2	Benzene	2500		ug/L	50	6.76	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	100%	4%	
NAL13026-1731MSD	T1-054	ORG 107-06-2	1,2-Dichloroethane	2300		ug/L	50	10.00	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	92%	4%	
NAL13026-1731MSD	T1-054	ORG 79-01-6	Trichloroethene	2500		ug/L	50	18.17	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	100%	4%	
NAL13026-1731MSD	T1-054	ORG 74-95-3	Dibromomethane	2600		ug/L	100	16.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	104%	4%	
NAL13026-1731MSD	T1-054	ORG 78-87-5	1,2-Dichloropropane	2600		ug/L	50	9.08	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	104%	4%	
NAL13026-1731MSD	T1-054	ORG 75-27-4	Bromodichloromethane	2300		ug/L	100	5.79	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	92%	4%	
NAL13026-1731MSD	T1-054	ORG 10061-01-5	cis-1,3-Dichloropropene	2700		ug/L	50	12.50	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	108%	4%	
NAL13026-1731MSD	T1-054	ORG 108-88-3	Toluene	2300		ug/L	50	10.48	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	92%	4%	
NAL13026-1731MSD	T1-054	ORG 108-10-1	4-Methyl-2-pentanone	2700		ug/L	250	37.00	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	100%	4%	190
NAL13026-1731MSD	T1-054	ORG 10061-02-6	trans-1,3-Dichloropropene	2800		ug/L	50	15.57	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	112%	4%	
NAL13026-1731MSD	T1-054	ORG 127-18-4	Tetrachloroethene	2500		ug/L	50	24.28	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	100%	4%	
NAL13026-1731MSD	T1-054	ORG 79-00-5	1,1,2-Trichloroethane	2200		ug/L	50	17.14	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	88%	4%	
NAL13026-1731MSD	T1-054	ORG 124-48-1	Dibromochloromethane	2400		ug/L	250	14.95	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	96%	8%	
NAL13026-1731MSD	T1-054	ORG 106-93-4	1,2-Dibromoethane	2600		ug/L	100	13.24	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	104%	4%	
NAL13026-1731MSD	T1-054	ORG 591-78-6	2-Hexanone	1700		ug/L	100	34.45	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	63%	0%	120
NAL13026-1731MSD	T1-054	ORG 100-41-4	Ethylbenzene	2800		ug/L	50	12.69	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	112%	0%	
NAL13026-1731MSD	T1-054	ORG 108-90-7	Chlorobenzene	2500		ug/L	50	13.76	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	100%	4%	
NAL13026-1731MSD	T1-054	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2600		ug/L	100	9.64	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	104%	0%	
NAL13026-1731MSD	T1-054	ORG XYLMP	p&m-Xylene	5700		ug/L	100	13.07	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	5000	114%	0%	
NAL13026-1731MSD	T1-054	ORG 95-47-6	o-Xylene	2700		ug/L	50	6.45	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	108%	0%	6.8
NAL13026-1731MSD	T1-054	ORG 100-42-5	Styrene	2600		ug/L	50	10.12	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	104%	0%	
NAL13026-1731MSD	T1-054	ORG 75-25-2	Bromoform	2400		ug/L	100	23.41	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	96%	4%	
NAL13026-1731MSD	T1-054	ORG 98-82-8	Isopropylbenzene	2800		ug/L	100	10.24	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	110%	0%	47
NAL13026-1731MSD	T1-054	ORG 103-65-1	n-Propylbenzene	2900		ug/L	100	13.50	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	116%	0%	
NAL13026-1731MSD	T1-054	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2300		ug/L	100	14.58	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	92%	4%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1731MSD	T1-054	ORG 96-18-4	1,2,3-Trichloropropane	2200		ug/L	100	14.73	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	88%	4%	
NAL13026-1731MSD	T1-054	ORG 108-67-8	1,3,5-Trimethylbenzene	2600		ug/L	100	10.01	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	103%	0%	37
NAL13026-1731MSD	T1-054	ORG 98-06-6	tert-Butylbenzene	2600		ug/L	100	16.30	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	104%	0%	
NAL13026-1731MSD	T1-054	ORG 95-63-6	1,2,4-Trimethylbenzene	2700		ug/L	100	10.01	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	104%	0%	100
NAL13026-1731MSD	T1-054	ORG 135-98-8	sec-Butylbenzene	2700		ug/L	100	16.17	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	108%	0%	
NAL13026-1731MSD	T1-054	ORG 541-73-1	1,3-Dichlorobenzene	2700		ug/L	100	11.11	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	108%	0%	
NAL13026-1731MSD	T1-054	ORG 99-87-6	p-Isopropyltoluene	3100		ug/L	100	12.74	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	100%	0%	600
NAL13026-1731MSD	T1-054	ORG 106-46-7	1,4-Dichlorobenzene	2600		ug/L	100	16.52	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	96%	0%	190
NAL13026-1731MSD	T1-054	ORG 95-50-1	1,2-Dichlorobenzene	2700		ug/L	100	13.19	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	108%	4%	
NAL13026-1731MSD	T1-054	ORG 104-51-8	n-Butylbenzene	2600		ug/L	250	13.90	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	103%	4%	32
NAL13026-1731MSD	T1-054	ORG 96-12-8	1,2-Dibromo-3-chloropropane	3000		ug/L	250	79.56	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	120%	6%	
NAL13026-1731MSD	T1-054	ORG 87-68-3	Hexachlorobutadiene	2400		ug/L	250	32.71	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	96%	0%	
NAL13026-1731MSD	T1-054	ORG 120-82-1	1,2,4-Trichlorobenzene	2500		ug/L	250	13.81	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	100%	4%	
NAL13026-1731MSD	T1-054	ORG 91-20-3	Naphthalene	3500		ug/L	250	28.02	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	109%	6%	780
NAL13026-1731MSD	T1-054	ORG 87-61-6	1,2,3-Trichlorobenzene	2600		ug/L	250	11.64	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	2500	104%	4%	
NAL13026-1731MSD	T1-054	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	50	100%	0%	
NAL13026-1731MSD	T1-054	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	50	90%	0%	
NAL13026-1731MSD	T1-054	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	50	94%	0%	
NAL13026-1731MSD	T1-054	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	11/1/2014	11/1/2014	11/1/2014	WG	50	NA	5.0	NA	SW8260B	NALD5158	50	108%	0%	



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.
D = Compound identified in an analysis at a secondary dilution factor.
E = Compound's concentration exceeds the calibration range of the instrument at this dilution.
X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
M = Matrix assessment, QC analyses parameter exceeded control limits.
U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1732	T1-055	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	250	14.64	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 74-87-3	Chloromethane		U	ug/L	250	21.54	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 75-01-4	Vinyl chloride		U	ug/L	100	15.93	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 74-83-9	Bromomethane		U	ug/L	250	25.02	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 75-00-3	Chloroethane		UX-	ug/L	250	27.80	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	250	9.83	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 75-35-4	1,1-Dichloroethene		UX-	ug/L	50	23.55	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 75-09-2	Methylene chloride		U	ug/L	250	13.23	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 67-64-1	Acetone	75000	D	ug/L	5000	778.04	11/2/2014	11/2/2014	11/2/2014	WG	500	NA	5.0	NA	SW8260B	NALD5164				
NAL13026-1732	T1-055	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	50	27.80	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 1634-04-4	MTBE		U	ug/L	250	30.59	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	50	26.33	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	50	16.06	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 74-97-5	Bromochloromethane		U	ug/L	100	20.68	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 67-66-3	Chloroform		U	ug/L	50	7.86	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	50	8.33	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 78-93-3	2-Butanone	12000	D	ug/L	5000	405.90	11/2/2014	11/2/2014	11/2/2014	WG	500	NA	5.0	NA	SW8260B	NALD5164				
NAL13026-1732	T1-055	ORG 56-23-5	Carbon tetrachloride		U	ug/L	50	13.82	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 71-43-2	Benzene	7.3	J	ug/L	50	6.76	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	50	10.00	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 79-01-6	Trichloroethene		U	ug/L	50	18.17	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 74-95-3	Dibromomethane		U	ug/L	100	16.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	50	9.08	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 75-27-4	Bromodichloromethane		U	ug/L	100	5.79	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	50	12.50	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 108-88-3	Toluene		U	ug/L	50	10.48	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 108-10-1	4-Methyl-2-pentanone	210	J	ug/L	250	37.00	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	50	15.57	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 127-18-4	Tetrachloroethene		U	ug/L	50	24.28	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	50	17.14	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 124-48-1	Dibromochloromethane		U	ug/L	100	14.95	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	100	13.24	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 591-78-6	2-Hexanone	100	JX-	ug/L	250	34.45	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 100-41-4	Ethylbenzene		U	ug/L	50	12.69	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 108-90-7	Chlorobenzene		U	ug/L	50	13.76	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	100	9.64	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG XYLMP	p&m-Xylene		U	ug/L	100	13.07	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 95-47-6	o-Xylene	7.1	J	ug/L	50	6.45	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 100-42-5	Styrene		U	ug/L	50	10.12	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 75-25-2	Bromoform		U	ug/L	100	23.41	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 98-82-8	Isopropylbenzene	46	J	ug/L	100	10.24	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 103-65-1	n-Propylbenzene		U	ug/L	100	13.50	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	100	14.58	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	100	14.73	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1732	T1-055	ORG 108-67-8	1,3,5-Trimethylbenzene	33	J	ug/L	100	10.01	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 98-06-6	tert-Butylbenzene		U	ug/L	100	16.30	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 95-63-6	1,2,4-Trimethylbenzene	75	J	ug/L	100	10.01	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 135-98-8	sec-Butylbenzene		U	ug/L	100	16.17	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	100	11.11	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 99-87-6	p-Isopropyltoluene	420		ug/L	100	12.74	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 106-46-7	1,4-Dichlorobenzene	140		ug/L	100	16.52	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	100	13.19	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 104-51-8	n-Butylbenzene	29	J	ug/L	250	13.90	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	250	79.56	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	250	32.71	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	250	13.81	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 91-20-3	Naphthalene	790		ug/L	250	28.02	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	250	11.64	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163				
NAL13026-1732	T1-055	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163	50	96%		
NAL13026-1732	T1-055	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163	50	92%		
NAL13026-1732	T1-055	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163	50	94%		
NAL13026-1732	T1-055	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5163	50	110%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110214CCVA	D110214CCVA	ORG 75-71-8	Dichlorodifluoromethane	43		ug/L	5	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	86%		
D110214CCVA	D110214CCVA	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	82%		
D110214CCVA	D110214CCVA	ORG 75-01-4	Vinyl chloride	51		ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	102%		
D110214CCVA	D110214CCVA	ORG 74-83-9	Bromomethane	42		ug/L	5	0.50	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	84%		
D110214CCVA	D110214CCVA	ORG 75-00-3	Chloroethane	34		ug/L	5	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	68%		
D110214CCVA	D110214CCVA	ORG 75-69-4	Trichlorofluoromethane	100		ug/L	5	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	200%		
D110214CCVA	D110214CCVA	ORG 75-35-4	1,1-Dichloroethene	34		ug/L	1	0.47	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	68%		
D110214CCVA	D110214CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	90%		
D110214CCVA	D110214CCVA	ORG 67-64-1	Acetone	49		ug/L	10	1.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	98%		
D110214CCVA	D110214CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	94%		
D110214CCVA	D110214CCVA	ORG 1634-04-4	MTBE	52		ug/L	5	0.61	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	104%		
D110214CCVA	D110214CCVA	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	90%		
D110214CCVA	D110214CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	55		ug/L	1	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	110%		
D110214CCVA	D110214CCVA	ORG 74-97-5	Bromochloromethane	51		ug/L	10	0.41	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	102%		
D110214CCVA	D110214CCVA	ORG 67-66-3	Chloroform	46		ug/L	2	0.16	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	92%		
D110214CCVA	D110214CCVA	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	98%		
D110214CCVA	D110214CCVA	ORG 78-93-3	2-Butanone	46		ug/L	1	0.81	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	92%		
D110214CCVA	D110214CCVA	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	104%		
D110214CCVA	D110214CCVA	ORG 71-43-2	Benzene	50		ug/L	1	0.14	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	100%		
D110214CCVA	D110214CCVA	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	88%		
D110214CCVA	D110214CCVA	ORG 79-01-6	Trichloroethene	51		ug/L	1	0.36	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	102%		
D110214CCVA	D110214CCVA	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	96%		
D110214CCVA	D110214CCVA	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	100%		
D110214CCVA	D110214CCVA	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	90%		
D110214CCVA	D110214CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	108%		
D110214CCVA	D110214CCVA	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	90%		
D110214CCVA	D110214CCVA	ORG 108-10-1	4-Methyl-2-pentanone	47		ug/L	5	0.74	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	94%		
D110214CCVA	D110214CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	53		ug/L	1	0.31	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	106%		
D110214CCVA	D110214CCVA	ORG 127-18-4	Tetrachloroethene	49		ug/L	1	0.49	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	98%		
D110214CCVA	D110214CCVA	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	86%		
D110214CCVA	D110214CCVA	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	98%		
D110214CCVA	D110214CCVA	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	98%		
D110214CCVA	D110214CCVA	ORG 591-78-6	2-Hexanone	40		ug/L	2	0.69	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	80%		
D110214CCVA	D110214CCVA	ORG 100-41-4	Ethylbenzene	55		ug/L	1	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	110%		
D110214CCVA	D110214CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	96%		
D110214CCVA	D110214CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	102%		
D110214CCVA	D110214CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	100	110%		
D110214CCVA	D110214CCVA	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	104%		
D110214CCVA	D110214CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	100%		
D110214CCVA	D110214CCVA	ORG 75-25-2	Bromoform	47		ug/L	2	0.47	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	94%		
D110214CCVA	D110214CCVA	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	108%		
D110214CCVA	D110214CCVA	ORG 103-65-1	n-Propylbenzene	57		ug/L	2	0.27	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	114%		
D110214CCVA	D110214CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	41		ug/L	2	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	82%		
D110214CCVA	D110214CCVA	ORG 96-18-4	1,2,3-Trichloropropane	40		ug/L	2	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	80%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110214CCVA	D110214CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	102%		
D110214CCVA	D110214CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	106%		
D110214CCVA	D110214CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	102%		
D110214CCVA	D110214CCVA	ORG 135-98-8	sec-Butylbenzene	52		ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	104%		
D110214CCVA	D110214CCVA	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	106%		
D110214CCVA	D110214CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	104%		
D110214CCVA	D110214CCVA	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	98%		
D110214CCVA	D110214CCVA	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	104%		
D110214CCVA	D110214CCVA	ORG 104-51-8	n-Butylbenzene	51		ug/L	5	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	102%		
D110214CCVA	D110214CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	44		ug/L	5	1.59	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	88%		
D110214CCVA	D110214CCVA	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	98%		
D110214CCVA	D110214CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	44		ug/L	5	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	88%		
D110214CCVA	D110214CCVA	ORG 91-20-3	Naphthalene	42		ug/L	5	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	84%		
D110214CCVA	D110214CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	47		ug/L	5	0.23	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	94%		
D110214CCVA	D110214CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	98%		
D110214CCVA	D110214CCVA	STD 17060-07-0	1,2-Dichloroethane d4	43		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	86%		
D110214CCVA	D110214CCVA	STD 2037-26-5	Toluene d8	46		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	92%		
D110214CCVA	D110214CCVA	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5160	50	106%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110214MBKA	D110214MBKA	ORG 75-71-8	Dichlorodifluoromethane	U	ug/L	5	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 74-87-3	Chloromethane	U	ug/L	5	0.43	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 75-01-4	Vinyl chloride	U	ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 74-83-9	Bromomethane	U	ug/L	5	0.50	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 75-00-3	Chloroethane	U	ug/L	5	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 75-69-4	Trichlorofluoromethane	U	ug/L	5	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 75-35-4	1,1-Dichloroethene	U	ug/L	1	0.47	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 75-09-2	Methylene chloride	U	ug/L	5	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 67-64-1	Acetone	U	ug/L	10	1.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U	ug/L	1	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 1634-04-4	MTBE	U	ug/L	5	0.61	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 75-34-3	1,1-Dichloroethane	U	ug/L	1	0.53	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U	ug/L	1	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 74-97-5	Bromochloromethane	U	ug/L	10	0.41	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 67-66-3	Chloroform	U	ug/L	2	0.16	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U	ug/L	1	0.17	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 78-93-3	2-Butanone	U	ug/L	1	0.81	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 56-23-5	Carbon tetrachloride	U	ug/L	1	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 71-43-2	Benzene	U	ug/L	1	0.14	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 107-06-2	1,2-Dichloroethane	U	ug/L	1	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 79-01-6	Trichloroethene	U	ug/L	1	0.36	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 74-95-3	Dibromomethane	U	ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 78-87-5	1,2-Dichloropropane	U	ug/L	1	0.18	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 75-27-4	Bromodichloromethane	U	ug/L	2	0.12	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U	ug/L	1	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 108-88-3	Toluene	U	ug/L	1	0.21	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U	ug/L	5	0.74	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U	ug/L	1	0.31	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 127-18-4	Tetrachloroethene	U	ug/L	1	0.49	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U	ug/L	1	0.34	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 124-48-1	Dibromochloromethane	U	ug/L	5	0.30	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 106-93-4	1,2-Dibromoethane	U	ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 591-78-6	2-Hexanone	U	ug/L	2	0.69	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 100-41-4	Ethylbenzene	U	ug/L	1	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 108-90-7	Chlorobenzene	U	ug/L	1	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U	ug/L	2	0.19	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG XYLMP	p&m-Xylene	U	ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 95-47-6	o-Xylene	U	ug/L	1	0.13	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 100-42-5	Styrene	U	ug/L	1	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 75-25-2	Bromoform	U	ug/L	2	0.47	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 98-82-8	Isopropylbenzene	U	ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 103-65-1	n-Propylbenzene	U	ug/L	2	0.27	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U	ug/L	2	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					
D110214MBKA	D110214MBKA	ORG 96-18-4	1,2,3-Trichloropropane	U	ug/L	2	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162					



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110214MBKA	D110214MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162				
D110214MBKA	D110214MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162	50	94%		
D110214MBKA	D110214MBKA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162	50	96%		
D110214MBKA	D110214MBKA	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162	50	100%		
D110214MBKA	D110214MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5162	50	110%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110214ALCS	D110214ALCS	ORG 75-71-8	Dichlorodifluoromethane	42		ug/L	5	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	84%		
D110214ALCS	D110214ALCS	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	84%		
D110214ALCS	D110214ALCS	ORG 75-01-4	Vinyl chloride	49		ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	98%		
D110214ALCS	D110214ALCS	ORG 74-83-9	Bromomethane	43		ug/L	5	0.50	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	86%		
D110214ALCS	D110214ALCS	ORG 75-00-3	Chloroethane	35		ug/L	5	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	70%		
D110214ALCS	D110214ALCS	ORG 75-69-4	Trichlorofluoromethane	83		ug/L	5	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	166%		
D110214ALCS	D110214ALCS	ORG 75-35-4	1,1-Dichloroethene	33		ug/L	1	0.47	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	66%		
D110214ALCS	D110214ALCS	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	90%		
D110214ALCS	D110214ALCS	ORG 67-64-1	Acetone	76		ug/L	10	1.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	152%		
D110214ALCS	D110214ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	48		ug/L	1	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	96%		
D110214ALCS	D110214ALCS	ORG 1634-04-4	MTBE	56		ug/L	5	0.61	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	112%		
D110214ALCS	D110214ALCS	ORG 75-34-3	1,1-Dichloroethane	46		ug/L	1	0.53	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	92%		
D110214ALCS	D110214ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	57		ug/L	1	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	114%		
D110214ALCS	D110214ALCS	ORG 74-97-5	Bromochloromethane	54		ug/L	10	0.41	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	108%		
D110214ALCS	D110214ALCS	ORG 67-66-3	Chloroform	48		ug/L	2	0.16	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	96%		
D110214ALCS	D110214ALCS	ORG 71-55-6	1,1,1-Trichloroethane	50		ug/L	1	0.17	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	100%		
D110214ALCS	D110214ALCS	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	106%		
D110214ALCS	D110214ALCS	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	102%		
D110214ALCS	D110214ALCS	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	94%		
D110214ALCS	D110214ALCS	ORG 79-01-6	Trichloroethene	52		ug/L	1	0.36	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG 74-95-3	Dibromomethane	52		ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG 78-87-5	1,2-Dichloropropane	52		ug/L	1	0.18	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	92%		
D110214ALCS	D110214ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	108%		
D110214ALCS	D110214ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	90%		
D110214ALCS	D110214ALCS	ORG 108-10-1	4-Methyl-2-pentanone	57		ug/L	5	0.74	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	114%		
D110214ALCS	D110214ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	112%		
D110214ALCS	D110214ALCS	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	96%		
D110214ALCS	D110214ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	92%		
D110214ALCS	D110214ALCS	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG 106-93-4	1,2-Dibromoethane	53		ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	106%		
D110214ALCS	D110214ALCS	ORG 591-78-6	2-Hexanone	54		ug/L	2	0.69	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	108%		
D110214ALCS	D110214ALCS	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	108%		
D110214ALCS	D110214ALCS	ORG 108-90-7	Chlorobenzene	49		ug/L	1	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	98%		
D110214ALCS	D110214ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	100	110%		
D110214ALCS	D110214ALCS	ORG 95-47-6	o-Xylene	52		ug/L	1	0.13	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	100%		
D110214ALCS	D110214ALCS	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	106%		
D110214ALCS	D110214ALCS	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	112%		
D110214ALCS	D110214ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	94%		
D110214ALCS	D110214ALCS	ORG 96-18-4	1,2,3-Trichloropropane	47		ug/L	2	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	94%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110214ALCS	D110214ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	100%		
D110214ALCS	D110214ALCS	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	102%		
D110214ALCS	D110214ALCS	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	102%		
D110214ALCS	D110214ALCS	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	108%		
D110214ALCS	D110214ALCS	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	98%		
D110214ALCS	D110214ALCS	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	108%		
D110214ALCS	D110214ALCS	ORG 104-51-8	n-Butylbenzene	50		ug/L	5	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	100%		
D110214ALCS	D110214ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	57		ug/L	5	1.59	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	114%		
D110214ALCS	D110214ALCS	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	98%		
D110214ALCS	D110214ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	47		ug/L	5	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	94%		
D110214ALCS	D110214ALCS	ORG 91-20-3	Naphthalene	52		ug/L	5	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	52		ug/L	5	0.23	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		
D110214ALCS	D110214ALCS	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	100%		
D110214ALCS	D110214ALCS	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	92%		
D110214ALCS	D110214ALCS	STD 2037-26-5	Toluene d8	45		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	90%		
D110214ALCS	D110214ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5161	50	104%		



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110214ALCD	D110214ALCD	ORG 75-71-8	Dichlorodifluoromethane	40		ug/L	5	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	80%	5%	
D110214ALCD	D110214ALCD	ORG 74-87-3	Chloromethane	38		ug/L	5	0.43	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	76%	10%	
D110214ALCD	D110214ALCD	ORG 75-01-4	Vinyl chloride	46		ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	92%	6%	
D110214ALCD	D110214ALCD	ORG 74-83-9	Bromomethane	39		ug/L	5	0.50	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	78%	10%	
D110214ALCD	D110214ALCD	ORG 75-00-3	Chloroethane	34		ug/L	5	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	68%	3%	
D110214ALCD	D110214ALCD	ORG 75-69-4	Trichlorofluoromethane	150		ug/L	5	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	300%	58%	
D110214ALCD	D110214ALCD	ORG 75-35-4	1,1-Dichloroethene	36		ug/L	1	0.47	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	72%	9%	
D110214ALCD	D110214ALCD	ORG 75-09-2	Methylene chloride	42		ug/L	5	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	84%	7%	
D110214ALCD	D110214ALCD	ORG 67-64-1	Acetone	50		ug/L	10	1.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	100%	41%	
D110214ALCD	D110214ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	44		ug/L	1	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	88%	9%	
D110214ALCD	D110214ALCD	ORG 1634-04-4	MTBE	50		ug/L	5	0.61	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	100%	11%	
D110214ALCD	D110214ALCD	ORG 75-34-3	1,1-Dichloroethane	43		ug/L	1	0.53	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	86%	7%	
D110214ALCD	D110214ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	104%	9%	
D110214ALCD	D110214ALCD	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	96%	12%	
D110214ALCD	D110214ALCD	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	88%	9%	
D110214ALCD	D110214ALCD	ORG 71-55-6	1,1,1-Trichloroethane	46		ug/L	1	0.17	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	92%	8%	
D110214ALCD	D110214ALCD	ORG 78-93-3	2-Butanone	47		ug/L	1	0.81	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	94%	12%	
D110214ALCD	D110214ALCD	ORG 56-23-5	Carbon tetrachloride	48		ug/L	1	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	96%	8%	
D110214ALCD	D110214ALCD	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	94%	8%	
D110214ALCD	D110214ALCD	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	88%	7%	
D110214ALCD	D110214ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	96%	8%	
D110214ALCD	D110214ALCD	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	92%	12%	
D110214ALCD	D110214ALCD	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	96%	8%	
D110214ALCD	D110214ALCD	ORG 75-27-4	Bromodichloromethane	44		ug/L	2	0.12	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	88%	4%	
D110214ALCD	D110214ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	104%	4%	
D110214ALCD	D110214ALCD	ORG 108-88-3	Toluene	44		ug/L	1	0.21	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	88%	2%	
D110214ALCD	D110214ALCD	ORG 108-10-1	4-Methyl-2-pentanone	51		ug/L	5	0.74	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	102%	11%	
D110214ALCD	D110214ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	53		ug/L	1	0.31	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	106%	6%	
D110214ALCD	D110214ALCD	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	92%	4%	
D110214ALCD	D110214ALCD	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	88%	4%	
D110214ALCD	D110214ALCD	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	98%	6%	
D110214ALCD	D110214ALCD	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	98%	8%	
D110214ALCD	D110214ALCD	ORG 591-78-6	2-Hexanone	43		ug/L	2	0.69	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	86%	23%	
D110214ALCD	D110214ALCD	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	108%	0%	
D110214ALCD	D110214ALCD	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	96%	2%	
D110214ALCD	D110214ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	102%	2%	
D110214ALCD	D110214ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	100	110%	0%	
D110214ALCD	D110214ALCD	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	102%	2%	
D110214ALCD	D110214ALCD	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	100%	0%	
D110214ALCD	D110214ALCD	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	96%	8%	
D110214ALCD	D110214ALCD	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	106%	0%	
D110214ALCD	D110214ALCD	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	112%	0%	
D110214ALCD	D110214ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	44		ug/L	2	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	88%	7%	
D110214ALCD	D110214ALCD	ORG 96-18-4	1,2,3-Trichloropropane	43		ug/L	2	0.29	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	86%	9%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110214ALCD	D110214ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	100%	0%	
D110214ALCD	D110214ALCD	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	106%	2%	
D110214ALCD	D110214ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	102%	0%	
D110214ALCD	D110214ALCD	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	106%	4%	
D110214ALCD	D110214ALCD	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	104%	4%	
D110214ALCD	D110214ALCD	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	104%	0%	
D110214ALCD	D110214ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	96%	2%	
D110214ALCD	D110214ALCD	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	104%	4%	
D110214ALCD	D110214ALCD	ORG 104-51-8	n-Butylbenzene	51		ug/L	5	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	102%	2%	
D110214ALCD	D110214ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	49		ug/L	5	1.59	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	98%	15%	
D110214ALCD	D110214ALCD	ORG 87-68-3	Hexachlorobutadiene	50		ug/L	5	0.65	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	100%	2%	
D110214ALCD	D110214ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	92%	2%	
D110214ALCD	D110214ALCD	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	92%	12%	
D110214ALCD	D110214ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	100%	4%	
D110214ALCD	D110214ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	98%	2%	
D110214ALCD	D110214ALCD	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	90%	2%	
D110214ALCD	D110214ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	94%	4%	
D110214ALCD	D110214ALCD	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	11/2/2014	11/2/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5165	50	104%	0%	



FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1732MS	T1-055	ORG 75-71-8	Dichlorodifluoromethane	1900		ug/L	250	14.64	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	76%		
NAL13026-1732MS	T1-055	ORG 74-87-3	Chloromethane	2000		ug/L	250	21.54	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	80%		
NAL13026-1732MS	T1-055	ORG 75-01-4	Vinyl chloride	2200		ug/L	100	15.93	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	88%		
NAL13026-1732MS	T1-055	ORG 74-83-9	Bromomethane	1700		ug/L	250	25.02	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	68%		
NAL13026-1732MS	T1-055	ORG 75-00-3	Chloroethane	1600		ug/L	250	27.80	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	64%		
NAL13026-1732MS	T1-055	ORG 75-69-4	Trichlorofluoromethane	2900		ug/L	250	9.83	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	116%		
NAL13026-1732MS	T1-055	ORG 75-35-4	1,1-Dichloroethene	1700		ug/L	50	23.55	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	68%		
NAL13026-1732MS	T1-055	ORG 75-09-2	Methylene chloride	2000		ug/L	250	13.23	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	80%		
NAL13026-1732MS	T1-055	ORG 67-64-1	Acetone	65000		ug/L	500	77.80	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	-400%		75000
NAL13026-1732MS	T1-055	ORG 156-60-5	trans-1,2-Dichloroethene	2200		ug/L	50	27.80	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	88%		
NAL13026-1732MS	T1-055	ORG 1634-04-4	MTBE	2500		ug/L	250	30.59	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	100%		
NAL13026-1732MS	T1-055	ORG 75-34-3	1,1-Dichloroethane	2100		ug/L	50	26.33	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	84%		
NAL13026-1732MS	T1-055	ORG 156-59-2	cis-1,2-Dichloroethene	2600		ug/L	50	16.06	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	104%		
NAL13026-1732MS	T1-055	ORG 74-97-5	Bromochloromethane	2300		ug/L	500	20.68	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	92%		
NAL13026-1732MS	T1-055	ORG 67-66-3	Chloroform	2200		ug/L	100	7.86	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	88%		
NAL13026-1732MS	T1-055	ORG 71-55-6	1,1,1-Trichloroethane	2300		ug/L	50	8.33	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	92%		
NAL13026-1732MS	T1-055	ORG 78-93-3	2-Butanone	15000		ug/L	50	40.59	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	120%		12000
NAL13026-1732MS	T1-055	ORG 56-23-5	Carbon tetrachloride	2400		ug/L	50	13.82	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	96%		
NAL13026-1732MS	T1-055	ORG 71-43-2	Benzene	2300		ug/L	50	6.76	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	92%		7.3
NAL13026-1732MS	T1-055	ORG 107-06-2	1,2-Dichloroethane	2100		ug/L	50	10.00	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	84%		
NAL13026-1732MS	T1-055	ORG 79-01-6	Trichloroethene	2300		ug/L	50	18.17	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	92%		
NAL13026-1732MS	T1-055	ORG 74-95-3	Dibromomethane	2500		ug/L	100	16.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	100%		
NAL13026-1732MS	T1-055	ORG 78-87-5	1,2-Dichloropropane	2400		ug/L	50	9.08	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	96%		
NAL13026-1732MS	T1-055	ORG 75-27-4	Bromodichloromethane	2200		ug/L	100	5.79	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	88%		
NAL13026-1732MS	T1-055	ORG 10061-01-5	cis-1,3-Dichloropropene	2600		ug/L	50	12.50	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	104%		
NAL13026-1732MS	T1-055	ORG 108-88-3	Toluene	2200		ug/L	50	10.48	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	88%		
NAL13026-1732MS	T1-055	ORG 108-10-1	4-Methyl-2-pentanone	2700		ug/L	250	37.00	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	100%		210
NAL13026-1732MS	T1-055	ORG 10061-02-6	trans-1,3-Dichloropropene	2700		ug/L	50	15.57	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	108%		
NAL13026-1732MS	T1-055	ORG 127-18-4	Tetrachloroethene	2300		ug/L	50	24.28	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	92%		
NAL13026-1732MS	T1-055	ORG 79-00-5	1,1,2-Trichloroethane	2200		ug/L	50	17.14	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	88%		
NAL13026-1732MS	T1-055	ORG 124-48-1	Dibromochloromethane	2400		ug/L	250	14.95	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	96%		
NAL13026-1732MS	T1-055	ORG 106-93-4	1,2-Dibromoethane	2500		ug/L	100	13.24	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	100%		
NAL13026-1732MS	T1-055	ORG 591-78-6	2-Hexanone	1400		ug/L	100	34.45	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	52%		100
NAL13026-1732MS	T1-055	ORG 100-41-4	Ethylbenzene	2600		ug/L	50	12.69	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	104%		
NAL13026-1732MS	T1-055	ORG 108-90-7	Chlorobenzene	2300		ug/L	50	13.76	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	92%		
NAL13026-1732MS	T1-055	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2400		ug/L	100	9.64	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	96%		
NAL13026-1732MS	T1-055	ORG XYLMP	p&m-Xylene	5300		ug/L	100	13.07	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	5000	106%		
NAL13026-1732MS	T1-055	ORG 95-47-6	o-Xylene	2500		ug/L	50	6.45	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	100%		7.1
NAL13026-1732MS	T1-055	ORG 100-42-5	Styrene	2400		ug/L	50	10.12	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	96%		
NAL13026-1732MS	T1-055	ORG 75-25-2	Bromoform	2500		ug/L	100	23.41	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	100%		
NAL13026-1732MS	T1-055	ORG 98-82-8	Isopropylbenzene	2500		ug/L	100	10.24	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	98%		46
NAL13026-1732MS	T1-055	ORG 103-65-1	n-Propylbenzene	2700		ug/L	100	13.50	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	108%		
NAL13026-1732MS	T1-055	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2300		ug/L	100	14.58	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	92%		
NAL13026-1732MS	T1-055	ORG 96-18-4	1,2,3-Trichloropropane	2200		ug/L	100	14.73	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	88%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1732MS	T1-055	ORG 108-67-8	1,3,5-Trimethylbenzene	2400		ug/L	100	10.01	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	95%		33
NAL13026-1732MS	T1-055	ORG 98-06-6	tert-Butylbenzene	2500		ug/L	100	16.30	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	100%		
NAL13026-1732MS	T1-055	ORG 95-63-6	1,2,4-Trimethylbenzene	2500		ug/L	100	10.01	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	97%		75
NAL13026-1732MS	T1-055	ORG 135-98-8	sec-Butylbenzene	2500		ug/L	100	16.17	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	100%		
NAL13026-1732MS	T1-055	ORG 541-73-1	1,3-Dichlorobenzene	2500		ug/L	100	11.11	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	100%		
NAL13026-1732MS	T1-055	ORG 99-87-6	p-Isopropyltoluene	2800		ug/L	100	12.74	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	95%		420
NAL13026-1732MS	T1-055	ORG 106-46-7	1,4-Dichlorobenzene	2500		ug/L	100	16.52	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	94%		140
NAL13026-1732MS	T1-055	ORG 95-50-1	1,2-Dichlorobenzene	2600		ug/L	100	13.19	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	104%		
NAL13026-1732MS	T1-055	ORG 104-51-8	n-Butylbenzene	2500		ug/L	250	13.90	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	99%		29
NAL13026-1732MS	T1-055	ORG 96-12-8	1,2-Dibromo-3-chloropropane	3100		ug/L	250	79.56	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	124%		
NAL13026-1732MS	T1-055	ORG 87-68-3	Hexachlorobutadiene	2300		ug/L	250	32.71	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	92%		
NAL13026-1732MS	T1-055	ORG 120-82-1	1,2,4-Trichlorobenzene	2400		ug/L	250	13.81	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	96%		
NAL13026-1732MS	T1-055	ORG 91-20-3	Naphthalene	3500		ug/L	250	28.02	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	108%		790
NAL13026-1732MS	T1-055	ORG 87-61-6	1,2,3-Trichlorobenzene	2600		ug/L	250	11.64	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	2500	104%		
NAL13026-1732MS	T1-055	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	50	98%		
NAL13026-1732MS	T1-055	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	50	88%		
NAL13026-1732MS	T1-055	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	50	94%		
NAL13026-1732MS	T1-055	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5166	50	106%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1732MSD	T1-055	ORG 75-71-8	Dichlorodifluoromethane	1900		ug/L	250	14.64	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	76%	0%	
NAL13026-1732MSD	T1-055	ORG 74-87-3	Chloromethane	1800		ug/L	250	21.54	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	72%	11%	
NAL13026-1732MSD	T1-055	ORG 75-01-4	Vinyl chloride	2100		ug/L	100	15.93	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	84%	5%	
NAL13026-1732MSD	T1-055	ORG 74-83-9	Bromomethane	1900		ug/L	250	25.02	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	76%	11%	
NAL13026-1732MSD	T1-055	ORG 75-00-3	Chloroethane	1500		ug/L	250	27.80	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	60%	6%	
NAL13026-1732MSD	T1-055	ORG 75-69-4	Trichlorofluoromethane	5800		ug/L	250	9.83	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	232%	67%	
NAL13026-1732MSD	T1-055	ORG 75-35-4	1,1-Dichloroethene	1600		ug/L	50	23.55	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	64%	6%	
NAL13026-1732MSD	T1-055	ORG 75-09-2	Methylene chloride	2000		ug/L	250	13.23	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	80%	0%	
NAL13026-1732MSD	T1-055	ORG 67-64-1	Acetone	65000		ug/L	500	77.80	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	-400%	0%	75000
NAL13026-1732MSD	T1-055	ORG 156-60-5	trans-1,2-Dichloroethene	2100		ug/L	50	27.80	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	84%	5%	
NAL13026-1732MSD	T1-055	ORG 1634-04-4	MTBE	2500		ug/L	250	30.59	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	100%	0%	
NAL13026-1732MSD	T1-055	ORG 75-34-3	1,1-Dichloroethane	2000		ug/L	50	26.33	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	80%	5%	
NAL13026-1732MSD	T1-055	ORG 156-59-2	cis-1,2-Dichloroethene	2600		ug/L	50	16.06	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	104%	0%	
NAL13026-1732MSD	T1-055	ORG 74-97-5	Bromochloromethane	2400		ug/L	500	20.68	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	96%	4%	
NAL13026-1732MSD	T1-055	ORG 67-66-3	Chloroform	2100		ug/L	100	7.86	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	84%	5%	
NAL13026-1732MSD	T1-055	ORG 71-55-6	1,1,1-Trichloroethane	2300		ug/L	50	8.33	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	92%	0%	
NAL13026-1732MSD	T1-055	ORG 78-93-3	2-Butanone	15000		ug/L	50	40.59	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	120%	0%	12000
NAL13026-1732MSD	T1-055	ORG 56-23-5	Carbon tetrachloride	2300		ug/L	50	13.82	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	92%	4%	
NAL13026-1732MSD	T1-055	ORG 71-43-2	Benzene	2300		ug/L	50	6.76	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	92%	0%	7.3
NAL13026-1732MSD	T1-055	ORG 107-06-2	1,2-Dichloroethane	2100		ug/L	50	10.00	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	84%	0%	
NAL13026-1732MSD	T1-055	ORG 79-01-6	Trichloroethene	2300		ug/L	50	18.17	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	92%	0%	
NAL13026-1732MSD	T1-055	ORG 74-95-3	Dibromomethane	2400		ug/L	100	16.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	96%	4%	
NAL13026-1732MSD	T1-055	ORG 78-87-5	1,2-Dichloropropane	2400		ug/L	50	9.08	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	96%	0%	
NAL13026-1732MSD	T1-055	ORG 75-27-4	Bromodichloromethane	2200		ug/L	100	5.79	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	88%	0%	
NAL13026-1732MSD	T1-055	ORG 10061-01-5	cis-1,3-Dichloropropene	2600		ug/L	50	12.50	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	104%	0%	
NAL13026-1732MSD	T1-055	ORG 108-88-3	Toluene	2200		ug/L	50	10.48	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	88%	0%	
NAL13026-1732MSD	T1-055	ORG 108-10-1	4-Methyl-2-pentanone	2700		ug/L	250	37.00	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	100%	0%	210
NAL13026-1732MSD	T1-055	ORG 10061-02-6	trans-1,3-Dichloropropene	2700		ug/L	50	15.57	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	108%	0%	
NAL13026-1732MSD	T1-055	ORG 127-18-4	Tetrachloroethene	2400		ug/L	50	24.28	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	96%	4%	
NAL13026-1732MSD	T1-055	ORG 79-00-5	1,1,2-Trichloroethane	2200		ug/L	50	17.14	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	88%	0%	
NAL13026-1732MSD	T1-055	ORG 124-48-1	Dibromochloromethane	2400		ug/L	250	14.95	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	96%	0%	
NAL13026-1732MSD	T1-055	ORG 106-93-4	1,2-Dibromoethane	2600		ug/L	100	13.24	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	104%	4%	
NAL13026-1732MSD	T1-055	ORG 591-78-6	2-Hexanone	1600		ug/L	100	34.45	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	60%	13%	100
NAL13026-1732MSD	T1-055	ORG 100-41-4	Ethylbenzene	2700		ug/L	50	12.69	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	108%	4%	
NAL13026-1732MSD	T1-055	ORG 108-90-7	Chlorobenzene	2400		ug/L	50	13.76	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	96%	4%	
NAL13026-1732MSD	T1-055	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2500		ug/L	100	9.64	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	100%	4%	
NAL13026-1732MSD	T1-055	ORG XYLMP	p&m-Xylene	5500		ug/L	100	13.07	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	5000	110%	4%	
NAL13026-1732MSD	T1-055	ORG 95-47-6	o-Xylene	2500		ug/L	50	6.45	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	100%	0%	7.1
NAL13026-1732MSD	T1-055	ORG 100-42-5	Styrene	2500		ug/L	50	10.12	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	100%	4%	
NAL13026-1732MSD	T1-055	ORG 75-25-2	Bromoform	2400		ug/L	100	23.41	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	96%	4%	
NAL13026-1732MSD	T1-055	ORG 98-82-8	Isopropylbenzene	2600		ug/L	100	10.24	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	102%	4%	46
NAL13026-1732MSD	T1-055	ORG 103-65-1	n-Propylbenzene	2700		ug/L	100	13.50	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	108%	0%	
NAL13026-1732MSD	T1-055	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2300		ug/L	100	14.58	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	92%	0%	
NAL13026-1732MSD	T1-055	ORG 96-18-4	1,2,3-Trichloropropane	2300		ug/L	100	14.73	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	92%	4%	

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1732MSD	T1-055	ORG 108-67-8	1,3,5-Trimethylbenzene	2400		ug/L	100	10.01	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	95%	0%	33
NAL13026-1732MSD	T1-055	ORG 98-06-6	tert-Butylbenzene	2500		ug/L	100	16.30	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	100%	0%	
NAL13026-1732MSD	T1-055	ORG 95-63-6	1,2,4-Trimethylbenzene	2600		ug/L	100	10.01	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	101%	4%	75
NAL13026-1732MSD	T1-055	ORG 135-98-8	sec-Butylbenzene	2500		ug/L	100	16.17	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	100%	0%	
NAL13026-1732MSD	T1-055	ORG 541-73-1	1,3-Dichlorobenzene	2600		ug/L	100	11.11	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	104%	4%	
NAL13026-1732MSD	T1-055	ORG 99-87-6	p-Isopropyltoluene	2900		ug/L	100	12.74	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	99%	4%	420
NAL13026-1732MSD	T1-055	ORG 106-46-7	1,4-Dichlorobenzene	2500		ug/L	100	16.52	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	94%	0%	140
NAL13026-1732MSD	T1-055	ORG 95-50-1	1,2-Dichlorobenzene	2700		ug/L	100	13.19	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	108%	4%	
NAL13026-1732MSD	T1-055	ORG 104-51-8	n-Butylbenzene	2500		ug/L	250	13.90	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	99%	0%	29
NAL13026-1732MSD	T1-055	ORG 96-12-8	1,2-Dibromo-3-chloropropane	2900		ug/L	250	79.56	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	116%	7%	
NAL13026-1732MSD	T1-055	ORG 87-68-3	Hexachlorobutadiene	2300		ug/L	250	32.71	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	92%	0%	
NAL13026-1732MSD	T1-055	ORG 120-82-1	1,2,4-Trichlorobenzene	2500		ug/L	250	13.81	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	100%	4%	
NAL13026-1732MSD	T1-055	ORG 91-20-3	Naphthalene	3600		ug/L	250	28.02	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	112%	3%	790
NAL13026-1732MSD	T1-055	ORG 87-61-6	1,2,3-Trichlorobenzene	2600		ug/L	250	11.64	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	2500	104%	0%	
NAL13026-1732MSD	T1-055	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	50	96%	2%	
NAL13026-1732MSD	T1-055	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	50	90%	2%	
NAL13026-1732MSD	T1-055	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	50	94%	0%	
NAL13026-1732MSD	T1-055	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	11/2/2014	11/2/2014	11/2/2014	WG	50	NA	5.0	NA	SW8260B	NALD5167	50	110%	4%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1733	T1-056	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	250	14.64	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 74-87-3	Chloromethane		UX-	ug/L	250	21.54	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 75-01-4	Vinyl chloride		U	ug/L	100	15.93	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 74-83-9	Bromomethane		UX-	ug/L	250	25.02	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 75-00-3	Chloroethane		UX-	ug/L	250	27.80	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	250	9.83	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 75-35-4	1,1-Dichloroethene		UX-	ug/L	50	23.55	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 75-09-2	Methylene chloride		U	ug/L	250	13.23	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 67-64-1	Acetone	84000	D	ug/L	5000	778.04	11/3/2014	11/3/2014	11/3/2014	WG	500	NA	5.0	NA	SW8260B	NALD5173				
NAL13026-1733	T1-056	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	50	27.80	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 1634-04-4	MTBE		U	ug/L	250	30.59	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	50	26.33	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	50	16.06	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 74-97-5	Bromochloromethane		U	ug/L	100	20.68	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 67-66-3	Chloroform		U	ug/L	50	7.86	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	50	8.33	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 78-93-3	2-Butanone	14000	D	ug/L	5000	405.90	11/3/2014	11/3/2014	11/3/2014	WG	500	NA	5.0	NA	SW8260B	NALD5173				
NAL13026-1733	T1-056	ORG 56-23-5	Carbon tetrachloride		U	ug/L	50	13.82	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 71-43-2	Benzene	6.92	J	ug/L	50	6.76	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	50	10.00	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 79-01-6	Trichloroethene		U	ug/L	50	18.17	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 74-95-3	Dibromomethane		U	ug/L	100	16.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	50	9.08	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 75-27-4	Bromodichloromethane		U	ug/L	100	5.79	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	50	12.50	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 108-88-3	Toluene		U	ug/L	50	10.48	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 108-10-1	4-Methyl-2-pentanone	260		ug/L	250	37.00	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	50	15.57	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 127-18-4	Tetrachloroethene		U	ug/L	50	24.28	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	50	17.14	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 124-48-1	Dibromochloromethane		U	ug/L	100	14.95	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	100	13.24	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 591-78-6	2-Hexanone	190	J	ug/L	250	34.45	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 100-41-4	Ethylbenzene		U	ug/L	50	12.69	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 108-90-7	Chlorobenzene		U	ug/L	50	13.76	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	100	9.64	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG XYLMP	p&m-Xylene		U	ug/L	100	13.07	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 95-47-6	o-Xylene	8.0	J	ug/L	50	6.45	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 100-42-5	Styrene		U	ug/L	50	10.12	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 75-25-2	Bromoform		U	ug/L	100	23.41	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 98-82-8	Isopropylbenzene	47	J	ug/L	100	10.24	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 103-65-1	n-Propylbenzene		U	ug/L	100	13.50	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	100	14.58	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1733	T1-056	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	100	14.73	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 108-67-8	1,3,5-Trimethylbenzene	32	J	ug/L	100	10.01	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 98-06-6	tert-Butylbenzene		U	ug/L	100	16.30	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 95-63-6	1,2,4-Trimethylbenzene	76	J	ug/L	100	10.01	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 135-98-8	sec-Butylbenzene		U	ug/L	100	16.17	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	100	11.11	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 99-87-6	p-Isopropyltoluene	400		ug/L	100	12.74	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 106-46-7	1,4-Dichlorobenzene	130		ug/L	100	16.52	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	100	13.19	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 104-51-8	n-Butylbenzene	26	J	ug/L	250	13.90	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	250	79.56	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	250	32.71	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	250	13.81	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 91-20-3	Naphthalene	750		ug/L	250	28.02	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	250	11.64	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172				
NAL13026-1733	T1-056	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172	50	94%		
NAL13026-1733	T1-056	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172	50	92%		
NAL13026-1733	T1-056	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172	50	98%		
NAL13026-1733	T1-056	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5172	50	108%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110314CCVA	D110314CCVA	ORG 75-71-8	Dichlorodifluoromethane	42		ug/L	5	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	84%		
D110314CCVA	D110314CCVA	ORG 74-87-3	Chloromethane	40		ug/L	5	0.43	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	80%		
D110314CCVA	D110314CCVA	ORG 75-01-4	Vinyl chloride	48		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	96%		
D110314CCVA	D110314CCVA	ORG 74-83-9	Bromomethane	36		ug/L	5	0.50	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	72%		
D110314CCVA	D110314CCVA	ORG 75-00-3	Chloroethane	31		ug/L	5	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	62%		
D110314CCVA	D110314CCVA	ORG 75-69-4	Trichlorofluoromethane	49		ug/L	5	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	98%		
D110314CCVA	D110314CCVA	ORG 75-35-4	1,1-Dichloroethene	30		ug/L	1	0.47	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	60%		
D110314CCVA	D110314CCVA	ORG 75-09-2	Methylene chloride	41		ug/L	5	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	82%		
D110314CCVA	D110314CCVA	ORG 67-64-1	Acetone	53		ug/L	10	1.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	106%		
D110314CCVA	D110314CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	44		ug/L	1	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	88%		
D110314CCVA	D110314CCVA	ORG 1634-04-4	MTBE	54		ug/L	5	0.61	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	108%		
D110314CCVA	D110314CCVA	ORG 75-34-3	1,1-Dichloroethane	42		ug/L	1	0.53	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	84%		
D110314CCVA	D110314CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	104%		
D110314CCVA	D110314CCVA	ORG 74-97-5	Bromochloromethane	48		ug/L	10	0.41	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	96%		
D110314CCVA	D110314CCVA	ORG 67-66-3	Chloroform	43		ug/L	2	0.16	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	86%		
D110314CCVA	D110314CCVA	ORG 71-55-6	1,1,1-Trichloroethane	46		ug/L	1	0.17	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	92%		
D110314CCVA	D110314CCVA	ORG 78-93-3	2-Butanone	55		ug/L	1	0.81	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	110%		
D110314CCVA	D110314CCVA	ORG 56-23-5	Carbon tetrachloride	47		ug/L	1	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	94%		
D110314CCVA	D110314CCVA	ORG 71-43-2	Benzene	46		ug/L	1	0.14	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	92%		
D110314CCVA	D110314CCVA	ORG 107-06-2	1,2-Dichloroethane	43		ug/L	1	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	86%		
D110314CCVA	D110314CCVA	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	96%		
D110314CCVA	D110314CCVA	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	94%		
D110314CCVA	D110314CCVA	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	94%		
D110314CCVA	D110314CCVA	ORG 75-27-4	Bromodichloromethane	44		ug/L	2	0.12	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	88%		
D110314CCVA	D110314CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	106%		
D110314CCVA	D110314CCVA	ORG 108-88-3	Toluene	44		ug/L	1	0.21	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	88%		
D110314CCVA	D110314CCVA	ORG 108-10-1	4-Methyl-2-pentanone	57		ug/L	5	0.74	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	114%		
D110314CCVA	D110314CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	110%		
D110314CCVA	D110314CCVA	ORG 127-18-4	Tetrachloroethene	50		ug/L	1	0.49	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	100%		
D110314CCVA	D110314CCVA	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	90%		
D110314CCVA	D110314CCVA	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	102%		
D110314CCVA	D110314CCVA	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	104%		
D110314CCVA	D110314CCVA	ORG 591-78-6	2-Hexanone	53		ug/L	2	0.69	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	106%		
D110314CCVA	D110314CCVA	ORG 100-41-4	Ethylbenzene	51		ug/L	1	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	102%		
D110314CCVA	D110314CCVA	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	92%		
D110314CCVA	D110314CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	49		ug/L	2	0.19	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	98%		
D110314CCVA	D110314CCVA	ORG XYLMP	p&m-Xylene	105		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	100	105%		
D110314CCVA	D110314CCVA	ORG 95-47-6	o-Xylene	49		ug/L	1	0.13	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	98%		
D110314CCVA	D110314CCVA	ORG 100-42-5	Styrene	48		ug/L	1	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	96%		
D110314CCVA	D110314CCVA	ORG 75-25-2	Bromoform	52		ug/L	2	0.47	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	104%		
D110314CCVA	D110314CCVA	ORG 98-82-8	Isopropylbenzene	50		ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	100%		
D110314CCVA	D110314CCVA	ORG 103-65-1	n-Propylbenzene	53		ug/L	2	0.27	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	106%		
D110314CCVA	D110314CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	46		ug/L	2	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	92%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110314CCVA	D110314CCVA	ORG 96-18-4	1,2,3-Trichloropropane	45		ug/L	2	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	90%		
D110314CCVA	D110314CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	48		ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	96%		
D110314CCVA	D110314CCVA	ORG 98-06-6	tert-Butylbenzene	49		ug/L	2	0.33	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	98%		
D110314CCVA	D110314CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	48		ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	96%		
D110314CCVA	D110314CCVA	ORG 135-98-8	sec-Butylbenzene	49		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	98%		
D110314CCVA	D110314CCVA	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	102%		
D110314CCVA	D110314CCVA	ORG 99-87-6	p-Isopropyltoluene	49		ug/L	2	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	98%		
D110314CCVA	D110314CCVA	ORG 106-46-7	1,4-Dichlorobenzene	46		ug/L	2	0.33	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	92%		
D110314CCVA	D110314CCVA	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	102%		
D110314CCVA	D110314CCVA	ORG 104-51-8	n-Butylbenzene	48		ug/L	5	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	96%		
D110314CCVA	D110314CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	54		ug/L	5	1.59	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	108%		
D110314CCVA	D110314CCVA	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	94%		
D110314CCVA	D110314CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	90%		
D110314CCVA	D110314CCVA	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	96%		
D110314CCVA	D110314CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	98%		
D110314CCVA	D110314CCVA	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	96%		
D110314CCVA	D110314CCVA	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	88%		
D110314CCVA	D110314CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	94%		
D110314CCVA	D110314CCVA	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5169	50	102%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110314MBKA	D110314MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110314MBKA	D110314MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171				
D110314MBKA	D110314MBKA	STD 1868-53-7	Dibromofluoromethane	46		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171	50	92%		
D110314MBKA	D110314MBKA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171	50	96%		
D110314MBKA	D110314MBKA	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171	50	100%		
D110314MBKA	D110314MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5171	50	110%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110314ALCS	D110314ALCS	ORG 75-71-8	Dichlorodifluoromethane	40		ug/L	5	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	80%		
D110314ALCS	D110314ALCS	ORG 74-87-3	Chloromethane	39		ug/L	5	0.43	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	78%		
D110314ALCS	D110314ALCS	ORG 75-01-4	Vinyl chloride	45		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	90%		
D110314ALCS	D110314ALCS	ORG 74-83-9	Bromomethane	30		ug/L	5	0.50	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	60%		
D110314ALCS	D110314ALCS	ORG 75-00-3	Chloroethane	32		ug/L	5	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	64%		
D110314ALCS	D110314ALCS	ORG 75-69-4	Trichlorofluoromethane	41		ug/L	5	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	82%		
D110314ALCS	D110314ALCS	ORG 75-35-4	1,1-Dichloroethene	29		ug/L	1	0.47	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	58%		
D110314ALCS	D110314ALCS	ORG 75-09-2	Methylene chloride	42		ug/L	5	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	84%		
D110314ALCS	D110314ALCS	ORG 67-64-1	Acetone	68		ug/L	10	1.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	136%		
D110314ALCS	D110314ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	90%		
D110314ALCS	D110314ALCS	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	106%		
D110314ALCS	D110314ALCS	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	88%		
D110314ALCS	D110314ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	55		ug/L	1	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	110%		
D110314ALCS	D110314ALCS	ORG 74-97-5	Bromochloromethane	51		ug/L	10	0.41	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	102%		
D110314ALCS	D110314ALCS	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	90%		
D110314ALCS	D110314ALCS	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	94%		
D110314ALCS	D110314ALCS	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	106%		
D110314ALCS	D110314ALCS	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	98%		
D110314ALCS	D110314ALCS	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	96%		
D110314ALCS	D110314ALCS	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	90%		
D110314ALCS	D110314ALCS	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	98%		
D110314ALCS	D110314ALCS	ORG 74-95-3	Dibromomethane	51		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	102%		
D110314ALCS	D110314ALCS	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	96%		
D110314ALCS	D110314ALCS	ORG 75-27-4	Bromodichloromethane	45		ug/L	2	0.12	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	90%		
D110314ALCS	D110314ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	54		ug/L	1	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	108%		
D110314ALCS	D110314ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	90%		
D110314ALCS	D110314ALCS	ORG 108-10-1	4-Methyl-2-pentanone	58		ug/L	5	0.74	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	116%		
D110314ALCS	D110314ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	57		ug/L	1	0.31	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	114%		
D110314ALCS	D110314ALCS	ORG 127-18-4	Tetrachloroethene	51		ug/L	1	0.49	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	102%		
D110314ALCS	D110314ALCS	ORG 79-00-5	1,1,2-Trichloroethane	46		ug/L	1	0.34	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	92%		
D110314ALCS	D110314ALCS	ORG 124-48-1	Dibromochloromethane	53		ug/L	5	0.30	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	106%		
D110314ALCS	D110314ALCS	ORG 106-93-4	1,2-Dibromoethane	55		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	110%		
D110314ALCS	D110314ALCS	ORG 591-78-6	2-Hexanone	53		ug/L	2	0.69	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	106%		
D110314ALCS	D110314ALCS	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	106%		
D110314ALCS	D110314ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	96%		
D110314ALCS	D110314ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	104%		
D110314ALCS	D110314ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	100	110%		
D110314ALCS	D110314ALCS	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	102%		
D110314ALCS	D110314ALCS	ORG 100-42-5	Styrene	51		ug/L	1	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	102%		
D110314ALCS	D110314ALCS	ORG 75-25-2	Bromoform	56		ug/L	2	0.47	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	112%		
D110314ALCS	D110314ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	106%		
D110314ALCS	D110314ALCS	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	110%		
D110314ALCS	D110314ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	49		ug/L	2	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	98%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110314ALCS	D110314ALCS	ORG 96-18-4	1,2,3-Trichloropropane	48		ug/L	2	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	96%		
D110314ALCS	D110314ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	100%		
D110314ALCS	D110314ALCS	ORG 98-06-6	tert-Butylbenzene	51		ug/L	2	0.33	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	102%		
D110314ALCS	D110314ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	102%		
D110314ALCS	D110314ALCS	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	102%		
D110314ALCS	D110314ALCS	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	108%		
D110314ALCS	D110314ALCS	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	104%		
D110314ALCS	D110314ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	98%		
D110314ALCS	D110314ALCS	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	108%		
D110314ALCS	D110314ALCS	ORG 104-51-8	n-Butylbenzene	50		ug/L	5	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	100%		
D110314ALCS	D110314ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	62		ug/L	5	1.59	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	124%		
D110314ALCS	D110314ALCS	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	98%		
D110314ALCS	D110314ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	98%		
D110314ALCS	D110314ALCS	ORG 91-20-3	Naphthalene	55		ug/L	5	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	110%		
D110314ALCS	D110314ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	53		ug/L	5	0.23	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	106%		
D110314ALCS	D110314ALCS	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	100%		
D110314ALCS	D110314ALCS	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	90%		
D110314ALCS	D110314ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	94%		
D110314ALCS	D110314ALCS	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5170	50	102%		

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110314ALCD	D110314ALCD	ORG 75-71-8	Dichlorodifluoromethane	40		ug/L	5	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	80%	0%	
D110314ALCD	D110314ALCD	ORG 74-87-3	Chloromethane	41		ug/L	5	0.43	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	82%	5%	
D110314ALCD	D110314ALCD	ORG 75-01-4	Vinyl chloride	46		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	92%	2%	
D110314ALCD	D110314ALCD	ORG 74-83-9	Bromomethane	29		ug/L	5	0.50	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	58%	3%	
D110314ALCD	D110314ALCD	ORG 75-00-3	Chloroethane	27		ug/L	5	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	54%	17%	
D110314ALCD	D110314ALCD	ORG 75-69-4	Trichlorofluoromethane	31		ug/L	5	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	62%	28%	
D110314ALCD	D110314ALCD	ORG 75-35-4	1,1-Dichloroethene	25		ug/L	1	0.47	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	50%	15%	
D110314ALCD	D110314ALCD	ORG 75-09-2	Methylene chloride	42		ug/L	5	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	84%	0%	
D110314ALCD	D110314ALCD	ORG 67-64-1	Acetone	69		ug/L	10	1.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	138%	1%	
D110314ALCD	D110314ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	44		ug/L	1	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	88%	2%	
D110314ALCD	D110314ALCD	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	106%	0%	
D110314ALCD	D110314ALCD	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	88%	0%	
D110314ALCD	D110314ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	108%	2%	
D110314ALCD	D110314ALCD	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	11/3/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	98%	4%	
D110314ALCD	D110314ALCD	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	90%	0%	
D110314ALCD	D110314ALCD	ORG 71-55-6	1,1,1-Trichloroethane	46		ug/L	1	0.17	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	92%	2%	
D110314ALCD	D110314ALCD	ORG 78-93-3	2-Butanone	63		ug/L	1	0.81	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	126%	17%	
D110314ALCD	D110314ALCD	ORG 56-23-5	Carbon tetrachloride	48		ug/L	1	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	96%	2%	
D110314ALCD	D110314ALCD	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	94%	2%	
D110314ALCD	D110314ALCD	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	90%	0%	
D110314ALCD	D110314ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	96%	2%	
D110314ALCD	D110314ALCD	ORG 74-95-3	Dibromomethane	50		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	100%	2%	
D110314ALCD	D110314ALCD	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	96%	0%	
D110314ALCD	D110314ALCD	ORG 75-27-4	Bromodichloromethane	44		ug/L	2	0.12	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	88%	2%	
D110314ALCD	D110314ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	106%	2%	
D110314ALCD	D110314ALCD	ORG 108-88-3	Toluene	44		ug/L	1	0.21	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	88%	2%	
D110314ALCD	D110314ALCD	ORG 108-10-1	4-Methyl-2-pentanone	66		ug/L	5	0.74	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	132%	13%	
D110314ALCD	D110314ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	112%	2%	
D110314ALCD	D110314ALCD	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	96%	6%	
D110314ALCD	D110314ALCD	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	94%	2%	
D110314ALCD	D110314ALCD	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	104%	2%	
D110314ALCD	D110314ALCD	ORG 106-93-4	1,2-Dibromoethane	55		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	110%	0%	
D110314ALCD	D110314ALCD	ORG 591-78-6	2-Hexanone	63		ug/L	2	0.69	NA	11/3/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	126%	17%	
D110314ALCD	D110314ALCD	ORG 100-41-4	Ethylbenzene	52		ug/L	1	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	104%	2%	
D110314ALCD	D110314ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	94%	2%	
D110314ALCD	D110314ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	100%	4%	
D110314ALCD	D110314ALCD	ORG XYLMP	p&m-Xylene	108		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	100	108%	2%	
D110314ALCD	D110314ALCD	ORG 95-47-6	o-Xylene	50		ug/L	1	0.13	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	100%	2%	
D110314ALCD	D110314ALCD	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	100%	2%	
D110314ALCD	D110314ALCD	ORG 75-25-2	Bromoform	56		ug/L	2	0.47	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	112%	0%	
D110314ALCD	D110314ALCD	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	104%	2%	
D110314ALCD	D110314ALCD	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	108%	2%	
D110314ALCD	D110314ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	52		ug/L	2	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	104%	6%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110314ALCD	D110314ALCD	ORG 96-18-4	1,2,3-Trichloropropane	51		ug/L	2	0.29	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	102%	6%	
D110314ALCD	D110314ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	100%	0%	
D110314ALCD	D110314ALCD	ORG 98-06-6	tert-Butylbenzene	50		ug/L	2	0.33	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	100%	2%	
D110314ALCD	D110314ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	100%	2%	
D110314ALCD	D110314ALCD	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	102%	0%	
D110314ALCD	D110314ALCD	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	106%	2%	
D110314ALCD	D110314ALCD	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	102%	2%	
D110314ALCD	D110314ALCD	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	98%	0%	
D110314ALCD	D110314ALCD	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	108%	0%	
D110314ALCD	D110314ALCD	ORG 104-51-8	n-Butylbenzene	50		ug/L	5	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	100%	0%	
D110314ALCD	D110314ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	64		ug/L	5	1.59	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	128%	3%	
D110314ALCD	D110314ALCD	ORG 87-68-3	Hexachlorobutadiene	50		ug/L	5	0.65	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	100%	2%	
D110314ALCD	D110314ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	48		ug/L	5	0.28	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	96%	2%	
D110314ALCD	D110314ALCD	ORG 91-20-3	Naphthalene	57		ug/L	5	0.56	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	114%	4%	
D110314ALCD	D110314ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	54		ug/L	5	0.23	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	108%	2%	
D110314ALCD	D110314ALCD	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	100%	0%	
D110314ALCD	D110314ALCD	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	92%	2%	
D110314ALCD	D110314ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	94%	0%	
D110314ALCD	D110314ALCD	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	11/3/2014	11/3/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5174	50	104%	2%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1733MS	T1-056	ORG 75-71-8	Dichlorodifluoromethane	1900		ug/L	250	14.64	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	76%		
NAL13026-1733MS	T1-056	ORG 74-87-3	Chloromethane	2000		ug/L	250	21.54	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	80%		
NAL13026-1733MS	T1-056	ORG 75-01-4	Vinyl chloride	2200		ug/L	100	15.93	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	88%		
NAL13026-1733MS	T1-056	ORG 74-83-9	Bromomethane	1300		ug/L	250	25.02	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	52%		
NAL13026-1733MS	T1-056	ORG 75-00-3	Chloroethane	1300		ug/L	250	27.80	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	52%		
NAL13026-1733MS	T1-056	ORG 75-69-4	Trichlorofluoromethane	1600		ug/L	250	9.83	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	64%		
NAL13026-1733MS	T1-056	ORG 75-35-4	1,1-Dichloroethene	1200		ug/L	50	23.55	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	48%		
NAL13026-1733MS	T1-056	ORG 75-09-2	Methylene chloride	2000		ug/L	250	13.23	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	80%		
NAL13026-1733MS	T1-056	ORG 67-64-1	Acetone	85000		ug/L	500	77.80	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	40%		84000
NAL13026-1733MS	T1-056	ORG 156-60-5	trans-1,2-Dichloroethene	2200		ug/L	50	27.80	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	88%		
NAL13026-1733MS	T1-056	ORG 1634-04-4	MTBE	2800		ug/L	250	30.59	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	112%		
NAL13026-1733MS	T1-056	ORG 75-34-3	1,1-Dichloroethane	2100		ug/L	50	26.33	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	84%		
NAL13026-1733MS	T1-056	ORG 156-59-2	cis-1,2-Dichloroethene	2700		ug/L	50	16.06	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	108%		
NAL13026-1733MS	T1-056	ORG 74-97-5	Bromochloromethane	2400		ug/L	500	20.68	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	96%		
NAL13026-1733MS	T1-056	ORG 67-66-3	Chloroform	2200		ug/L	100	7.86	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	88%		
NAL13026-1733MS	T1-056	ORG 71-55-6	1,1,1-Trichloroethane	2300		ug/L	50	8.33	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	92%		
NAL13026-1733MS	T1-056	ORG 78-93-3	2-Butanone	20000		ug/L	50	40.59	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	240%		14000
NAL13026-1733MS	T1-056	ORG 56-23-5	Carbon tetrachloride	2300		ug/L	50	13.82	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	92%		
NAL13026-1733MS	T1-056	ORG 71-43-2	Benzene	2300		ug/L	50	6.76	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	92%		6.92
NAL13026-1733MS	T1-056	ORG 107-06-2	1,2-Dichloroethane	2200		ug/L	50	10.00	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	88%		
NAL13026-1733MS	T1-056	ORG 79-01-6	Trichloroethene	2300		ug/L	50	18.17	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	92%		
NAL13026-1733MS	T1-056	ORG 74-95-3	Dibromomethane	2600		ug/L	100	16.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	104%		
NAL13026-1733MS	T1-056	ORG 78-87-5	1,2-Dichloropropane	2500		ug/L	50	9.08	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	100%		
NAL13026-1733MS	T1-056	ORG 75-27-4	Bromodichloromethane	2200		ug/L	100	5.79	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	88%		
NAL13026-1733MS	T1-056	ORG 10061-01-5	cis-1,3-Dichloropropene	2700		ug/L	50	12.50	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	108%		
NAL13026-1733MS	T1-056	ORG 108-88-3	Toluene	2200		ug/L	50	10.48	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	88%		
NAL13026-1733MS	T1-056	ORG 108-10-1	4-Methyl-2-pentanone	3400		ug/L	250	37.00	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	126%		260
NAL13026-1733MS	T1-056	ORG 10061-02-6	trans-1,3-Dichloropropene	2900		ug/L	50	15.57	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	116%		
NAL13026-1733MS	T1-056	ORG 127-18-4	Tetrachloroethene	2600		ug/L	50	24.28	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	104%		
NAL13026-1733MS	T1-056	ORG 79-00-5	1,1,2-Trichloroethane	2400		ug/L	50	17.14	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	96%		
NAL13026-1733MS	T1-056	ORG 124-48-1	Dibromochloromethane	2600		ug/L	250	14.95	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	104%		
NAL13026-1733MS	T1-056	ORG 106-93-4	1,2-Dibromoethane	2800		ug/L	100	13.24	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	112%		
NAL13026-1733MS	T1-056	ORG 591-78-6	2-Hexanone	1800		ug/L	100	34.45	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	64%		190
NAL13026-1733MS	T1-056	ORG 100-41-4	Ethylbenzene	2500		ug/L	100	12.69	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	100%		
NAL13026-1733MS	T1-056	ORG 108-90-7	Chlorobenzene	2200		ug/L	50	13.76	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	88%		
NAL13026-1733MS	T1-056	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2400		ug/L	100	9.64	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	96%		
NAL13026-1733MS	T1-056	ORG XYLMP	p&m-Xylene	5200		ug/L	100	13.07	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	5000	104%		
NAL13026-1733MS	T1-056	ORG 95-47-6	o-Xylene	2500		ug/L	50	6.45	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	100%		8
NAL13026-1733MS	T1-056	ORG 100-42-5	Styrene	2500		ug/L	50	10.12	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	100%		
NAL13026-1733MS	T1-056	ORG 75-25-2	Bromoform	2800		ug/L	100	23.41	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	112%		
NAL13026-1733MS	T1-056	ORG 98-82-8	Isopropylbenzene	2500		ug/L	100	10.24	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	98%		47
NAL13026-1733MS	T1-056	ORG 103-65-1	n-Propylbenzene	2600		ug/L	100	13.50	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	104%		
NAL13026-1733MS	T1-056	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2600		ug/L	100	14.58	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1733MS	T1-056	ORG 96-18-4	1,2,3-Trichloropropane	2500		ug/L	100	14.73	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	100%		
NAL13026-1733MS	T1-056	ORG 108-67-8	1,3,5-Trimethylbenzene	2400		ug/L	100	10.01	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	95%		32
NAL13026-1733MS	T1-056	ORG 98-06-6	tert-Butylbenzene	2400		ug/L	100	16.30	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	96%		
NAL13026-1733MS	T1-056	ORG 95-63-6	1,2,4-Trimethylbenzene	2500		ug/L	100	10.01	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	97%		76
NAL13026-1733MS	T1-056	ORG 135-98-8	sec-Butylbenzene	2500		ug/L	100	16.17	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	100%		
NAL13026-1733MS	T1-056	ORG 541-73-1	1,3-Dichlorobenzene	2600		ug/L	100	11.11	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	104%		
NAL13026-1733MS	T1-056	ORG 99-87-6	p-Isopropyltoluene	2800		ug/L	100	12.74	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	96%		400
NAL13026-1733MS	T1-056	ORG 106-46-7	1,4-Dichlorobenzene	2500		ug/L	100	16.52	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	95%		130
NAL13026-1733MS	T1-056	ORG 95-50-1	1,2-Dichlorobenzene	2800		ug/L	100	13.19	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	112%		
NAL13026-1733MS	T1-056	ORG 104-51-8	n-Butylbenzene	2400		ug/L	250	13.90	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	95%		26
NAL13026-1733MS	T1-056	ORG 96-12-8	1,2-Dibromo-3-chloropropane	3900		ug/L	250	79.56	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	156%		
NAL13026-1733MS	T1-056	ORG 87-68-3	Hexachlorobutadiene	2400		ug/L	250	32.71	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	96%		
NAL13026-1733MS	T1-056	ORG 120-82-1	1,2,4-Trichlorobenzene	2600		ug/L	250	13.81	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	104%		
NAL13026-1733MS	T1-056	ORG 91-20-3	Naphthalene	4100		ug/L	250	28.02	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	134%		750
NAL13026-1733MS	T1-056	ORG 87-61-6	1,2,3-Trichlorobenzene	2800		ug/L	250	11.64	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	2500	112%		
NAL13026-1733MS	T1-056	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	50	98%		
NAL13026-1733MS	T1-056	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	50	90%		
NAL13026-1733MS	T1-056	STD 2037-26-5	Toluene d8	46		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	50	92%		
NAL13026-1733MS	T1-056	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5175	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

FINAL ANALYTICAL REPORT

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1733MSD	T1-056	ORG 75-71-8	Dichlorodifluoromethane	1900		ug/L	250	14.64	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	76%	0%	
NAL13026-1733MSD	T1-056	ORG 74-87-3	Chloromethane	2000		ug/L	250	21.54	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	80%	0%	
NAL13026-1733MSD	T1-056	ORG 75-01-4	Vinyl chloride	2200		ug/L	100	15.93	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	88%	0%	
NAL13026-1733MSD	T1-056	ORG 74-83-9	Bromomethane	1200		ug/L	250	25.02	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	48%	8%	
NAL13026-1733MSD	T1-056	ORG 75-00-3	Chloroethane	1300		ug/L	250	27.80	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	52%	0%	
NAL13026-1733MSD	T1-056	ORG 75-69-4	Trichlorofluoromethane	1500		ug/L	250	9.83	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	60%	6%	
NAL13026-1733MSD	T1-056	ORG 75-35-4	1,1-Dichloroethene	1100		ug/L	50	23.55	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	44%	9%	
NAL13026-1733MSD	T1-056	ORG 75-09-2	Methylene chloride	2000		ug/L	250	13.23	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	80%	0%	
NAL13026-1733MSD	T1-056	ORG 67-64-1	Acetone	85000		ug/L	500	77.80	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	40%	0%	84000
NAL13026-1733MSD	T1-056	ORG 156-60-5	trans-1,2-Dichloroethene	2200		ug/L	50	27.80	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	88%	0%	
NAL13026-1733MSD	T1-056	ORG 1634-04-4	MTBE	2800		ug/L	250	30.59	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	112%	0%	
NAL13026-1733MSD	T1-056	ORG 75-34-3	1,1-Dichloroethane	2100		ug/L	50	26.33	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	84%	0%	
NAL13026-1733MSD	T1-056	ORG 156-59-2	cis-1,2-Dichloroethene	2700		ug/L	50	16.06	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	108%	0%	
NAL13026-1733MSD	T1-056	ORG 74-97-5	Bromochloromethane	2400		ug/L	500	20.68	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	96%	0%	
NAL13026-1733MSD	T1-056	ORG 67-66-3	Chloroform	2200		ug/L	100	7.86	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	88%	0%	
NAL13026-1733MSD	T1-056	ORG 71-55-6	1,1,1-Trichloroethane	2200		ug/L	50	8.33	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	88%	4%	
NAL13026-1733MSD	T1-056	ORG 78-93-3	2-Butanone	20000		ug/L	50	40.59	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	240%	0%	14000
NAL13026-1733MSD	T1-056	ORG 56-23-5	Carbon tetrachloride	2300		ug/L	50	13.82	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	92%	0%	
NAL13026-1733MSD	T1-056	ORG 71-43-2	Benzene	2300		ug/L	50	6.76	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	92%	0%	6.92
NAL13026-1733MSD	T1-056	ORG 107-06-2	1,2-Dichloroethane	2200		ug/L	50	10.00	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	88%	0%	
NAL13026-1733MSD	T1-056	ORG 79-01-6	Trichloroethene	2300		ug/L	50	18.17	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	92%	0%	
NAL13026-1733MSD	T1-056	ORG 74-95-3	Dibromomethane	2600		ug/L	100	16.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	104%	0%	
NAL13026-1733MSD	T1-056	ORG 78-87-5	1,2-Dichloropropane	2400		ug/L	50	9.08	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	96%	4%	
NAL13026-1733MSD	T1-056	ORG 75-27-4	Bromodichloromethane	2200		ug/L	100	5.79	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	88%	0%	
NAL13026-1733MSD	T1-056	ORG 10061-01-5	cis-1,3-Dichloropropene	2700		ug/L	50	12.50	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	108%	0%	
NAL13026-1733MSD	T1-056	ORG 108-88-3	Toluene	2200		ug/L	50	10.48	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	88%	0%	
NAL13026-1733MSD	T1-056	ORG 108-10-1	4-Methyl-2-pentanone	3300		ug/L	250	37.00	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	122%	3%	260
NAL13026-1733MSD	T1-056	ORG 10061-02-6	trans-1,3-Dichloropropene	2800		ug/L	50	15.57	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	112%	4%	
NAL13026-1733MSD	T1-056	ORG 127-18-4	Tetrachloroethene	2700		ug/L	50	24.28	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	108%	4%	
NAL13026-1733MSD	T1-056	ORG 79-00-5	1,1,2-Trichloroethane	2300		ug/L	50	17.14	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	92%	4%	
NAL13026-1733MSD	T1-056	ORG 124-48-1	Dibromochloromethane	2500		ug/L	250	14.95	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	100%	4%	
NAL13026-1733MSD	T1-056	ORG 106-93-4	1,2-Dibromoethane	2800		ug/L	100	13.24	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	112%	0%	
NAL13026-1733MSD	T1-056	ORG 591-78-6	2-Hexanone	1900		ug/L	100	34.45	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	68%	5%	190
NAL13026-1733MSD	T1-056	ORG 100-41-4	Ethylbenzene	2500		ug/L	50	12.69	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	100%	0%	
NAL13026-1733MSD	T1-056	ORG 108-90-7	Chlorobenzene	2200		ug/L	50	13.76	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	88%	0%	
NAL13026-1733MSD	T1-056	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2400		ug/L	100	9.64	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	96%	0%	
NAL13026-1733MSD	T1-056	ORG XYLMP	p&m-Xylene	5100		ug/L	100	13.07	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	5000	102%	2%	
NAL13026-1733MSD	T1-056	ORG 95-47-6	o-Xylene	2400		ug/L	50	6.45	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	96%	4%	8
NAL13026-1733MSD	T1-056	ORG 100-42-5	Styrene	2400		ug/L	50	10.12	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	96%	4%	
NAL13026-1733MSD	T1-056	ORG 75-25-2	Bromoform	2800		ug/L	100	23.41	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	112%	0%	
NAL13026-1733MSD	T1-056	ORG 98-82-8	Isopropylbenzene	2500		ug/L	100	10.24	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	98%	0%	47
NAL13026-1733MSD	T1-056	ORG 103-65-1	n-Propylbenzene	2600		ug/L	100	13.50	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	104%	0%	
NAL13026-1733MSD	T1-056	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2600		ug/L	100	14.58	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	104%	0%	



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1733MSD	T1-056	ORG 96-18-4	1,2,3-Trichloropropane	2500		ug/L	100	14.73	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	100%	0%	
NAL13026-1733MSD	T1-056	ORG 108-67-8	1,3,5-Trimethylbenzene	2400		ug/L	100	10.01	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	95%	0%	32
NAL13026-1733MSD	T1-056	ORG 98-06-6	tert-Butylbenzene	2400		ug/L	100	16.30	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	96%	0%	
NAL13026-1733MSD	T1-056	ORG 95-63-6	1,2,4-Trimethylbenzene	2500		ug/L	100	10.01	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	97%	0%	76
NAL13026-1733MSD	T1-056	ORG 135-98-8	sec-Butylbenzene	2400		ug/L	100	16.17	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	96%	4%	
NAL13026-1733MSD	T1-056	ORG 541-73-1	1,3-Dichlorobenzene	2600		ug/L	100	11.11	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	104%	0%	
NAL13026-1733MSD	T1-056	ORG 99-87-6	p-Isopropyltoluene	2800		ug/L	100	12.74	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	96%	0%	400
NAL13026-1733MSD	T1-056	ORG 106-46-7	1,4-Dichlorobenzene	2500		ug/L	100	16.52	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	95%	0%	130
NAL13026-1733MSD	T1-056	ORG 95-50-1	1,2-Dichlorobenzene	2700		ug/L	100	13.19	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	108%	4%	
NAL13026-1733MSD	T1-056	ORG 104-51-8	n-Butylbenzene	2400		ug/L	250	13.90	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	95%	0%	26
NAL13026-1733MSD	T1-056	ORG 96-12-8	1,2-Dibromo-3-chloropropane	3800		ug/L	250	79.56	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	152%	3%	
NAL13026-1733MSD	T1-056	ORG 87-68-3	Hexachlorobutadiene	2400		ug/L	250	32.71	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	96%	0%	
NAL13026-1733MSD	T1-056	ORG 120-82-1	1,2,4-Trichlorobenzene	2500		ug/L	250	13.81	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	100%	4%	
NAL13026-1733MSD	T1-056	ORG 91-20-3	Naphthalene	4000		ug/L	250	28.02	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	130%	2%	750
NAL13026-1733MSD	T1-056	ORG 87-61-6	1,2,3-Trichlorobenzene	2800		ug/L	250	11.64	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	2500	112%	0%	
NAL13026-1733MSD	T1-056	STD 1868-53-7	Dibromofluoromethane	50		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	50	100%	2%	
NAL13026-1733MSD	T1-056	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	50	92%	2%	
NAL13026-1733MSD	T1-056	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	50	94%	2%	
NAL13026-1733MSD	T1-056	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	11/3/2014	11/3/2014	11/3/2014	WG	50	NA	5.0	NA	SW8260B	NALD5176	50	106%	2%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1734	T1-57	ORG 75-71-8	Dichlorodifluoromethane		UX-	ug/L	250	14.64	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 74-87-3	Chloromethane		UX-	ug/L	250	21.54	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 75-01-4	Vinyl chloride		U	ug/L	100	15.93	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 74-83-9	Bromomethane		UX-	ug/L	250	25.02	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 75-00-3	Chloroethane		UX-	ug/L	250	27.80	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	250	9.83	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 75-35-4	1,1-Dichloroethene		UX-	ug/L	50	23.55	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 75-09-2	Methylene chloride		U	ug/L	250	13.23	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 67-64-1	Acetone	66000	DX+	ug/L	5000	778.04	11/4/2014	11/4/2014	11/4/2014	WG	500	NA	5.0	NA	SW8260B	NALD5183				
NAL13026-1734	T1-57	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	50	27.80	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 1634-04-4	MTBE		U	ug/L	250	30.59	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	50	26.33	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	50	16.06	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 74-97-5	Bromochloromethane		U	ug/L	100	20.68	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 67-66-3	Chloroform		U	ug/L	50	7.86	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	50	8.33	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 78-93-3	2-Butanone	11000	D	ug/L	5000	405.90	11/4/2014	11/4/2014	11/4/2014	WG	500	NA	5.0	NA	SW8260B	NALD5183				
NAL13026-1734	T1-57	ORG 56-23-5	Carbon tetrachloride		U	ug/L	50	13.82	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 71-43-2	Benzene		U	ug/L	50	6.76	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	50	10.00	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 79-01-6	Trichloroethene		U	ug/L	50	18.17	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 74-95-3	Dibromomethane		U	ug/L	100	16.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	50	9.08	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 75-27-4	Bromodichloromethane		U	ug/L	100	5.79	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	50	12.50	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 108-88-3	Toluene		U	ug/L	50	10.48	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 108-10-1	4-Methyl-2-pentanone	220	J	ug/L	250	37.00	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	50	15.57	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 127-18-4	Tetrachloroethene		U	ug/L	50	24.28	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	50	17.14	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 124-48-1	Dibromochloromethane		U	ug/L	100	14.95	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	100	13.24	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 591-78-6	2-Hexanone	140	J	ug/L	250	34.45	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 100-41-4	Ethylbenzene		U	ug/L	50	12.69	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 108-90-7	Chlorobenzene		U	ug/L	50	13.76	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	100	9.64	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG XYLMP	p&m-Xylene		U	ug/L	100	13.07	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 95-47-6	o-Xylene		U	ug/L	50	6.45	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 100-42-5	Styrene		U	ug/L	50	10.12	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 75-25-2	Bromoform		U	ug/L	100	23.41	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 98-82-8	Isopropylbenzene	44	J	ug/L	100	10.24	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 103-65-1	n-Propylbenzene		U	ug/L	100	13.50	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	100	14.58	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1734	T1-57	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	100	14.73	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 108-67-8	1,3,5-Trimethylbenzene	29	J	ug/L	100	10.01	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 98-06-6	tert-Butylbenzene		U	ug/L	100	16.30	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 95-63-6	1,2,4-Trimethylbenzene	57	J	ug/L	100	10.01	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 135-98-8	sec-Butylbenzene		U	ug/L	100	16.17	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	100	11.11	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 99-87-6	p-Isopropyltoluene	310		ug/L	100	12.74	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 106-46-7	1,4-Dichlorobenzene	110		ug/L	100	16.52	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	100	13.19	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 104-51-8	n-Butylbenzene	24	J	ug/L	250	13.90	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	250	79.56	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	250	32.71	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	250	13.81	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 91-20-3	Naphthalene	620		ug/L	250	28.02	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	250	11.64	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182				
NAL13026-1734	T1-57	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182	50	94%		
NAL13026-1734	T1-57	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182	50	92%		
NAL13026-1734	T1-57	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182	50	98%		
NAL13026-1734	T1-57	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5182	50	108%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110414CCVA	D110414CCVA	ORG 75-71-8	Dichlorodifluoromethane	37		ug/L	5	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	74%		
D110414CCVA	D110414CCVA	ORG 74-87-3	Chloromethane	36		ug/L	5	0.43	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	72%		
D110414CCVA	D110414CCVA	ORG 75-01-4	Vinyl chloride	42		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	84%		
D110414CCVA	D110414CCVA	ORG 74-83-9	Bromomethane	38		ug/L	5	0.50	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	76%		
D110414CCVA	D110414CCVA	ORG 75-00-3	Chloroethane	28		ug/L	5	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	56%		
D110414CCVA	D110414CCVA	ORG 75-69-4	Trichlorofluoromethane	55		ug/L	5	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	110%		
D110414CCVA	D110414CCVA	ORG 75-35-4	1,1-Dichloroethene	34		ug/L	1	0.47	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	68%		
D110414CCVA	D110414CCVA	ORG 75-09-2	Methylene chloride	42		ug/L	5	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	84%		
D110414CCVA	D110414CCVA	ORG 67-64-1	Acetone	67		ug/L	10	1.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	134%		
D110414CCVA	D110414CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	90%		
D110414CCVA	D110414CCVA	ORG 1634-04-4	MTBE	55		ug/L	5	0.61	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	110%		
D110414CCVA	D110414CCVA	ORG 75-34-3	1,1-Dichloroethane	43		ug/L	1	0.53	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	86%		
D110414CCVA	D110414CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	55		ug/L	1	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	110%		
D110414CCVA	D110414CCVA	ORG 74-97-5	Bromochloromethane	51		ug/L	10	0.41	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	102%		
D110414CCVA	D110414CCVA	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	90%		
D110414CCVA	D110414CCVA	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	94%		
D110414CCVA	D110414CCVA	ORG 78-93-3	2-Butanone	47		ug/L	1	0.81	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	94%		
D110414CCVA	D110414CCVA	ORG 56-23-5	Carbon tetrachloride	49		ug/L	1	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	98%		
D110414CCVA	D110414CCVA	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	94%		
D110414CCVA	D110414CCVA	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	90%		
D110414CCVA	D110414CCVA	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	98%		
D110414CCVA	D110414CCVA	ORG 74-95-3	Dibromomethane	50		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	100%		
D110414CCVA	D110414CCVA	ORG 78-87-5	1,2-Dichloropropane	49		ug/L	1	0.18	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	98%		
D110414CCVA	D110414CCVA	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	92%		
D110414CCVA	D110414CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	55		ug/L	1	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	110%		
D110414CCVA	D110414CCVA	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	90%		
D110414CCVA	D110414CCVA	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	112%		
D110414CCVA	D110414CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	56		ug/L	1	0.31	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	112%		
D110414CCVA	D110414CCVA	ORG 127-18-4	Tetrachloroethene	52		ug/L	1	0.49	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	104%		
D110414CCVA	D110414CCVA	ORG 79-00-5	1,1,2-Trichloroethane	45		ug/L	1	0.34	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	90%		
D110414CCVA	D110414CCVA	ORG 124-48-1	Dibromochloromethane	52		ug/L	5	0.30	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	104%		
D110414CCVA	D110414CCVA	ORG 106-93-4	1,2-Dibromoethane	53		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	106%		
D110414CCVA	D110414CCVA	ORG 591-78-6	2-Hexanone	50		ug/L	2	0.69	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	100%		
D110414CCVA	D110414CCVA	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	106%		
D110414CCVA	D110414CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	96%		
D110414CCVA	D110414CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	52		ug/L	2	0.19	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	104%		
D110414CCVA	D110414CCVA	ORG XYLMP	p&m-Xylene	109		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	100	109%		
D110414CCVA	D110414CCVA	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	102%		
D110414CCVA	D110414CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	100%		
D110414CCVA	D110414CCVA	ORG 75-25-2	Bromoform	54		ug/L	2	0.47	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	108%		
D110414CCVA	D110414CCVA	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	106%		
D110414CCVA	D110414CCVA	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	110%		
D110414CCVA	D110414CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	47		ug/L	2	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	94%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110414CCVA	D110414CCVA	ORG 96-18-4	1,2,3-Trichloropropane	46		ug/L	2	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	92%		
D110414CCVA	D110414CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	100%		
D110414CCVA	D110414CCVA	ORG 98-06-6	tert-Butylbenzene	51		ug/L	2	0.33	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	102%		
D110414CCVA	D110414CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	102%		
D110414CCVA	D110414CCVA	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	102%		
D110414CCVA	D110414CCVA	ORG 541-73-1	1,3-Dichlorobenzene	54		ug/L	2	0.22	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	108%		
D110414CCVA	D110414CCVA	ORG 99-87-6	p-Isopropyltoluene	52		ug/L	2	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	104%		
D110414CCVA	D110414CCVA	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	100%		
D110414CCVA	D110414CCVA	ORG 95-50-1	1,2-Dichlorobenzene	54		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	108%		
D110414CCVA	D110414CCVA	ORG 104-51-8	n-Butylbenzene	50		ug/L	5	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	100%		
D110414CCVA	D110414CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	56		ug/L	5	1.59	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	112%		
D110414CCVA	D110414CCVA	ORG 87-68-3	Hexachlorobutadiene	51		ug/L	5	0.65	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	102%		
D110414CCVA	D110414CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	49		ug/L	5	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	98%		
D110414CCVA	D110414CCVA	ORG 91-20-3	Naphthalene	52		ug/L	5	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	104%		
D110414CCVA	D110414CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	52		ug/L	5	0.23	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	104%		
D110414CCVA	D110414CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	98%		
D110414CCVA	D110414CCVA	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	90%		
D110414CCVA	D110414CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	94%		
D110414CCVA	D110414CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5180	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110414MBKA	D110414MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110414MBKA	D110414MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181				
D110414MBKA	D110414MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181	50	94%		
D110414MBKA	D110414MBKA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181	50	96%		
D110414MBKA	D110414MBKA	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181	50	100%		
D110414MBKA	D110414MBKA	STD 460-00-4	Bromofluorobenzene	56		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5181	50	112%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110414ALCS	D110414ALCS	ORG 75-71-8	Dichlorodifluoromethane	40		ug/L	5	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	80%		
D110414ALCS	D110414ALCS	ORG 74-87-3	Chloromethane	37		ug/L	5	0.43	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	74%		
D110414ALCS	D110414ALCS	ORG 75-01-4	Vinyl chloride	45		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	90%		
D110414ALCS	D110414ALCS	ORG 74-83-9	Bromomethane	43		ug/L	5	0.50	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	86%		
D110414ALCS	D110414ALCS	ORG 75-00-3	Chloroethane	31		ug/L	5	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	62%		
D110414ALCS	D110414ALCS	ORG 75-69-4	Trichlorofluoromethane	166		ug/L	5	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	332%		
D110414ALCS	D110414ALCS	ORG 75-35-4	1,1-Dichloroethene	30		ug/L	1	0.47	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	60%		
D110414ALCS	D110414ALCS	ORG 75-09-2	Methylene chloride	24		ug/L	5	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	48%		
D110414ALCS	D110414ALCS	ORG 67-64-1	Acetone	27		ug/L	10	1.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	54%		
D110414ALCS	D110414ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	28		ug/L	1	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	56%		
D110414ALCS	D110414ALCS	ORG 1634-04-4	MTBE	55		ug/L	5	0.61	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	110%		
D110414ALCS	D110414ALCS	ORG 75-34-3	1,1-Dichloroethane	42		ug/L	1	0.53	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	84%		
D110414ALCS	D110414ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	51		ug/L	1	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	102%		
D110414ALCS	D110414ALCS	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	100%		
D110414ALCS	D110414ALCS	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	88%		
D110414ALCS	D110414ALCS	ORG 71-55-6	1,1,1-Trichloroethane	45		ug/L	1	0.17	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	90%		
D110414ALCS	D110414ALCS	ORG 78-93-3	2-Butanone	52		ug/L	1	0.81	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	104%		
D110414ALCS	D110414ALCS	ORG 56-23-5	Carbon tetrachloride	46		ug/L	1	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	92%		
D110414ALCS	D110414ALCS	ORG 71-43-2	Benzene	46		ug/L	1	0.14	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	92%		
D110414ALCS	D110414ALCS	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	88%		
D110414ALCS	D110414ALCS	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	94%		
D110414ALCS	D110414ALCS	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	96%		
D110414ALCS	D110414ALCS	ORG 78-87-5	1,2-Dichloropropane	46		ug/L	1	0.18	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	92%		
D110414ALCS	D110414ALCS	ORG 75-27-4	Bromodichloromethane	44		ug/L	2	0.12	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	88%		
D110414ALCS	D110414ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	51		ug/L	1	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	102%		
D110414ALCS	D110414ALCS	ORG 108-88-3	Toluene	44		ug/L	1	0.21	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	88%		
D110414ALCS	D110414ALCS	ORG 108-10-1	4-Methyl-2-pentanone	49		ug/L	5	0.74	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	98%		
D110414ALCS	D110414ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	53		ug/L	1	0.31	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	106%		
D110414ALCS	D110414ALCS	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	96%		
D110414ALCS	D110414ALCS	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	88%		
D110414ALCS	D110414ALCS	ORG 124-48-1	Dibromochloromethane	49		ug/L	5	0.30	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	98%		
D110414ALCS	D110414ALCS	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	100%		
D110414ALCS	D110414ALCS	ORG 591-78-6	2-Hexanone	42		ug/L	2	0.69	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	84%		
D110414ALCS	D110414ALCS	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	106%		
D110414ALCS	D110414ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	96%		
D110414ALCS	D110414ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	102%		
D110414ALCS	D110414ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	100	110%		
D110414ALCS	D110414ALCS	ORG 95-47-6	o-Xylene	49		ug/L	1	0.13	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	98%		
D110414ALCS	D110414ALCS	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	98%		
D110414ALCS	D110414ALCS	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	96%		
D110414ALCS	D110414ALCS	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	104%		
D110414ALCS	D110414ALCS	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	108%		
D110414ALCS	D110414ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	44		ug/L	2	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	88%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110414ALCS	D110414ALCS	ORG 96-18-4	1,2,3-Trichloropropane	43		ug/L	2	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	86%		
D110414ALCS	D110414ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	49		ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	98%		
D110414ALCS	D110414ALCS	ORG 98-06-6	tert-Butylbenzene	50		ug/L	2	0.33	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	100%		
D110414ALCS	D110414ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	100%		
D110414ALCS	D110414ALCS	ORG 135-98-8	sec-Butylbenzene	50		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	100%		
D110414ALCS	D110414ALCS	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	104%		
D110414ALCS	D110414ALCS	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	100%		
D110414ALCS	D110414ALCS	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	96%		
D110414ALCS	D110414ALCS	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	104%		
D110414ALCS	D110414ALCS	ORG 104-51-8	n-Butylbenzene	48		ug/L	5	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	96%		
D110414ALCS	D110414ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	48		ug/L	5	1.59	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	96%		
D110414ALCS	D110414ALCS	ORG 87-68-3	Hexachlorobutadiene	45		ug/L	5	0.65	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	90%		
D110414ALCS	D110414ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	43		ug/L	5	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	86%		
D110414ALCS	D110414ALCS	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	94%		
D110414ALCS	D110414ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	98%		
D110414ALCS	D110414ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	98%		
D110414ALCS	D110414ALCS	STD 17060-07-0	1,2-Dichloroethane d4	46		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	92%		
D110414ALCS	D110414ALCS	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	94%		
D110414ALCS	D110414ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5184	50	104%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110414ALCD	D110414ALCD	ORG 75-71-8	Dichlorodifluoromethane	36		ug/L	5	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	72%	11%	
D110414ALCD	D110414ALCD	ORG 74-87-3	Chloromethane	35		ug/L	5	0.43	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	70%	6%	
D110414ALCD	D110414ALCD	ORG 75-01-4	Vinyl chloride	41		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	82%	9%	
D110414ALCD	D110414ALCD	ORG 74-83-9	Bromomethane	34		ug/L	5	0.50	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	68%	23%	
D110414ALCD	D110414ALCD	ORG 75-00-3	Chloroethane	30		ug/L	5	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	60%	3%	
D110414ALCD	D110414ALCD	ORG 75-69-4	Trichlorofluoromethane	100		ug/L	5	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	200%	50%	
D110414ALCD	D110414ALCD	ORG 75-35-4	1,1-Dichloroethene	32		ug/L	1	0.47	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	64%	6%	
D110414ALCD	D110414ALCD	ORG 75-09-2	Methylene chloride	41		ug/L	5	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	82%	52%	
D110414ALCD	D110414ALCD	ORG 67-64-1	Acetone	60		ug/L	10	1.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	120%	76%	
D110414ALCD	D110414ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	43		ug/L	1	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	86%	42%	
D110414ALCD	D110414ALCD	ORG 1634-04-4	MTBE	50		ug/L	5	0.61	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	100%	10%	
D110414ALCD	D110414ALCD	ORG 75-34-3	1,1-Dichloroethane	42		ug/L	1	0.53	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	84%	0%	
D110414ALCD	D110414ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	104%	2%	
D110414ALCD	D110414ALCD	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	98%	2%	
D110414ALCD	D110414ALCD	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	88%	0%	
D110414ALCD	D110414ALCD	ORG 71-55-6	1,1,1-Trichloroethane	46		ug/L	1	0.17	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	92%	2%	
D110414ALCD	D110414ALCD	ORG 78-93-3	2-Butanone	44		ug/L	1	0.81	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	88%	17%	
D110414ALCD	D110414ALCD	ORG 56-23-5	Carbon tetrachloride	47		ug/L	1	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	94%	2%	
D110414ALCD	D110414ALCD	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	94%	2%	
D110414ALCD	D110414ALCD	ORG 107-06-2	1,2-Dichloroethane	43		ug/L	1	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	86%	2%	
D110414ALCD	D110414ALCD	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	96%	2%	
D110414ALCD	D110414ALCD	ORG 74-95-3	Dibromomethane	46		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	92%	4%	
D110414ALCD	D110414ALCD	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	94%	2%	
D110414ALCD	D110414ALCD	ORG 75-27-4	Bromodichloromethane	44		ug/L	2	0.12	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	88%	0%	
D110414ALCD	D110414ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	106%	4%	
D110414ALCD	D110414ALCD	ORG 108-88-3	Toluene	44		ug/L	1	0.21	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	88%	0%	
D110414ALCD	D110414ALCD	ORG 108-10-1	4-Methyl-2-pentanone	50		ug/L	5	0.74	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	100%	2%	
D110414ALCD	D110414ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	108%	2%	
D110414ALCD	D110414ALCD	ORG 127-18-4	Tetrachloroethene	52		ug/L	1	0.49	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	104%	8%	
D110414ALCD	D110414ALCD	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	86%	2%	
D110414ALCD	D110414ALCD	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	100%	2%	
D110414ALCD	D110414ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	100%	0%	
D110414ALCD	D110414ALCD	ORG 591-78-6	2-Hexanone	46		ug/L	2	0.69	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	92%	9%	
D110414ALCD	D110414ALCD	ORG 100-41-4	Ethylbenzene	51		ug/L	1	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	102%	4%	
D110414ALCD	D110414ALCD	ORG 108-90-7	Chlorobenzene	46		ug/L	1	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	92%	4%	
D110414ALCD	D110414ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	100%	2%	
D110414ALCD	D110414ALCD	ORG XYLMP	p&m-Xylene	106		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	100	106%	4%	
D110414ALCD	D110414ALCD	ORG 95-47-6	o-Xylene	49		ug/L	1	0.13	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	98%	0%	
D110414ALCD	D110414ALCD	ORG 100-42-5	Styrene	48		ug/L	1	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	96%	2%	
D110414ALCD	D110414ALCD	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	96%	0%	
D110414ALCD	D110414ALCD	ORG 98-82-8	Isopropylbenzene	51		ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	102%	2%	
D110414ALCD	D110414ALCD	ORG 103-65-1	n-Propylbenzene	53		ug/L	2	0.27	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	106%	2%	
D110414ALCD	D110414ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	43		ug/L	2	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	86%	2%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110414ALCD	D110414ALCD	ORG 96-18-4	1,2,3-Trichloropropane	42		ug/L	2	0.29	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	84%	2%	
D110414ALCD	D110414ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	49		ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	98%	0%	
D110414ALCD	D110414ALCD	ORG 98-06-6	tert-Butylbenzene	50		ug/L	2	0.33	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	100%	0%	
D110414ALCD	D110414ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	49		ug/L	2	0.20	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	98%	2%	
D110414ALCD	D110414ALCD	ORG 135-98-8	sec-Butylbenzene	50		ug/L	2	0.32	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	100%	0%	
D110414ALCD	D110414ALCD	ORG 541-73-1	1,3-Dichlorobenzene	51		ug/L	2	0.22	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	102%	2%	
D110414ALCD	D110414ALCD	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	100%	0%	
D110414ALCD	D110414ALCD	ORG 106-46-7	1,4-Dichlorobenzene	47		ug/L	2	0.33	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	94%	2%	
D110414ALCD	D110414ALCD	ORG 95-50-1	1,2-Dichlorobenzene	51		ug/L	2	0.26	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	102%	2%	
D110414ALCD	D110414ALCD	ORG 104-51-8	n-Butylbenzene	48		ug/L	5	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	96%	0%	
D110414ALCD	D110414ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	46		ug/L	5	1.59	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	92%	4%	
D110414ALCD	D110414ALCD	ORG 87-68-3	Hexachlorobutadiene	46		ug/L	5	0.65	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	92%	2%	
D110414ALCD	D110414ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	90%	5%	
D110414ALCD	D110414ALCD	ORG 91-20-3	Naphthalene	46		ug/L	5	0.56	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	92%	2%	
D110414ALCD	D110414ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	48		ug/L	5	0.23	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	96%	2%	
D110414ALCD	D110414ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	98%	0%	
D110414ALCD	D110414ALCD	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	88%	4%	
D110414ALCD	D110414ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	94%	0%	
D110414ALCD	D110414ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	11/4/2014	11/4/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5185	50	102%	2%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1734MS	T1-57	ORG 75-71-8	Dichlorodifluoromethane	1700		ug/L	250	14.64	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	68%		
NAL13026-1734MS	T1-57	ORG 74-87-3	Chloromethane	1700		ug/L	250	21.54	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	68%		
NAL13026-1734MS	T1-57	ORG 75-01-4	Vinyl chloride	2000		ug/L	100	15.93	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	80%		
NAL13026-1734MS	T1-57	ORG 74-83-9	Bromomethane	1900		ug/L	250	25.02	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	76%		
NAL13026-1734MS	T1-57	ORG 75-00-3	Chloroethane	1400		ug/L	250	27.80	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	56%		
NAL13026-1734MS	T1-57	ORG 75-69-4	Trichlorofluoromethane	5700		ug/L	250	9.83	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	228%		
NAL13026-1734MS	T1-57	ORG 75-35-4	1,1-Dichloroethene	1500		ug/L	50	23.55	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	60%		
NAL13026-1734MS	T1-57	ORG 75-09-2	Methylene chloride	2000		ug/L	250	13.23	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	80%		
NAL13026-1734MS	T1-57	ORG 67-64-1	Acetone	63000		ug/L	500	77.80	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	-120%		66000
NAL13026-1734MS	T1-57	ORG 156-60-5	trans-1,2-Dichloroethene	2100		ug/L	50	27.80	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	84%		
NAL13026-1734MS	T1-57	ORG 1634-04-4	MTBE	2500		ug/L	250	30.59	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	100%		
NAL13026-1734MS	T1-57	ORG 75-34-3	1,1-Dichloroethane	2000		ug/L	50	26.33	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	80%		
NAL13026-1734MS	T1-57	ORG 156-59-2	cis-1,2-Dichloroethene	2600		ug/L	50	16.06	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	104%		
NAL13026-1734MS	T1-57	ORG 74-97-5	Bromochloromethane	2300		ug/L	500	20.68	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	92%		
NAL13026-1734MS	T1-57	ORG 67-66-3	Chloroform	2100		ug/L	100	7.86	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	84%		
NAL13026-1734MS	T1-57	ORG 71-55-6	1,1,1-Trichloroethane	2300		ug/L	50	8.33	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	92%		
NAL13026-1734MS	T1-57	ORG 78-93-3	2-Butanone	14000		ug/L	50	40.59	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	120%		11000
NAL13026-1734MS	T1-57	ORG 56-23-5	Carbon tetrachloride	2300		ug/L	50	13.82	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	92%		
NAL13026-1734MS	T1-57	ORG 71-43-2	Benzene	2300		ug/L	50	6.76	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	92%		
NAL13026-1734MS	T1-57	ORG 107-06-2	1,2-Dichloroethane	2100		ug/L	50	10.00	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	84%		
NAL13026-1734MS	T1-57	ORG 79-01-6	Trichloroethene	2300		ug/L	50	18.17	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	92%		
NAL13026-1734MS	T1-57	ORG 74-95-3	Dibromomethane	2400		ug/L	100	16.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	96%		
NAL13026-1734MS	T1-57	ORG 78-87-5	1,2-Dichloropropane	2400		ug/L	50	9.08	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	96%		
NAL13026-1734MS	T1-57	ORG 75-27-4	Bromodichloromethane	2100		ug/L	100	5.79	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	84%		
NAL13026-1734MS	T1-57	ORG 10061-01-5	cis-1,3-Dichloropropene	2600		ug/L	50	12.50	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	104%		
NAL13026-1734MS	T1-57	ORG 108-88-3	Toluene	2200		ug/L	50	10.48	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	88%		
NAL13026-1734MS	T1-57	ORG 108-10-1	4-Methyl-2-pentanone	2500		ug/L	250	37.00	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	91%		222
NAL13026-1734MS	T1-57	ORG 10061-02-6	trans-1,3-Dichloropropene	2600		ug/L	50	15.57	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	104%		
NAL13026-1734MS	T1-57	ORG 127-18-4	Tetrachloroethene	2500		ug/L	50	24.28	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	100%		
NAL13026-1734MS	T1-57	ORG 79-00-5	1,1,2-Trichloroethane	2200		ug/L	50	17.14	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	88%		
NAL13026-1734MS	T1-57	ORG 124-48-1	Dibromochloromethane	2400		ug/L	250	14.95	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	96%		
NAL13026-1734MS	T1-57	ORG 106-93-4	1,2-Dibromoethane	2500		ug/L	100	13.24	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	100%		
NAL13026-1734MS	T1-57	ORG 591-78-6	2-Hexanone	1400		ug/L	100	34.45	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	50%		144
NAL13026-1734MS	T1-57	ORG 100-41-4	Ethylbenzene	2500		ug/L	100	12.69	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	100%		
NAL13026-1734MS	T1-57	ORG 108-90-7	Chlorobenzene	2300		ug/L	50	13.76	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	92%		
NAL13026-1734MS	T1-57	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2400		ug/L	100	9.64	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	96%		
NAL13026-1734MS	T1-57	ORG XYLMP	p&m-Xylene	5200		ug/L	100	13.07	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	5000	104%		
NAL13026-1734MS	T1-57	ORG 95-47-6	o-Xylene	2500		ug/L	50	6.45	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	100%		
NAL13026-1734MS	T1-57	ORG 100-42-5	Styrene	2500		ug/L	50	10.12	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	100%		
NAL13026-1734MS	T1-57	ORG 75-25-2	Bromoform	2400		ug/L	100	23.41	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	96%		
NAL13026-1734MS	T1-57	ORG 98-82-8	Isopropylbenzene	2600		ug/L	100	10.24	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	102%		44
NAL13026-1734MS	T1-57	ORG 103-65-1	n-Propylbenzene	2600		ug/L	100	13.50	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	104%		
NAL13026-1734MS	T1-57	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2200		ug/L	100	14.58	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	88%		



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1734MS	T1-57	ORG 96-18-4	1,2,3-Trichloropropane	2100		ug/L	100	14.73	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	84%		
NAL13026-1734MS	T1-57	ORG 108-67-8	1,3,5-Trimethylbenzene	2400		ug/L	100	10.01	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	95%		29
NAL13026-1734MS	T1-57	ORG 98-06-6	tert-Butylbenzene	2500		ug/L	100	16.30	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	100%		
NAL13026-1734MS	T1-57	ORG 95-63-6	1,2,4-Trimethylbenzene	2500		ug/L	100	10.01	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	98%		57
NAL13026-1734MS	T1-57	ORG 135-98-8	sec-Butylbenzene	2500		ug/L	100	16.17	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	100%		
NAL13026-1734MS	T1-57	ORG 541-73-1	1,3-Dichlorobenzene	2600		ug/L	100	11.11	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	104%		
NAL13026-1734MS	T1-57	ORG 99-87-6	p-Isopropyltoluene	2700		ug/L	100	12.74	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	96%		310
NAL13026-1734MS	T1-57	ORG 106-46-7	1,4-Dichlorobenzene	2500		ug/L	100	16.52	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	96%		110
NAL13026-1734MS	T1-57	ORG 95-50-1	1,2-Dichlorobenzene	2600		ug/L	100	13.19	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	104%		
NAL13026-1734MS	T1-57	ORG 104-51-8	n-Butylbenzene	2400		ug/L	250	13.90	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	95%		24
NAL13026-1734MS	T1-57	ORG 96-12-8	1,2-Dibromo-3-chloropropane	2900		ug/L	250	79.56	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	116%		
NAL13026-1734MS	T1-57	ORG 87-68-3	Hexachlorobutadiene	2300		ug/L	250	32.71	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	92%		
NAL13026-1734MS	T1-57	ORG 120-82-1	1,2,4-Trichlorobenzene	2400		ug/L	250	13.81	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	96%		
NAL13026-1734MS	T1-57	ORG 91-20-3	Naphthalene	3300		ug/L	250	28.02	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	107%		620
NAL13026-1734MS	T1-57	ORG 87-61-6	1,2,3-Trichlorobenzene	2500		ug/L	250	11.64	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	2500	100%		
NAL13026-1734MS	T1-57	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	50	98%		
NAL13026-1734MS	T1-57	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	50	88%		
NAL13026-1734MS	T1-57	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	50	94%		
NAL13026-1734MS	T1-57	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5186	50	106%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1734MSD	T1-57	ORG 75-71-8	Dichlorodifluoromethane	1800		ug/L	250	14.64	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	72%	6%	
NAL13026-1734MSD	T1-57	ORG 74-87-3	Chloromethane	1900		ug/L	250	21.54	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	76%	11%	
NAL13026-1734MSD	T1-57	ORG 75-01-4	Vinyl chloride	2100		ug/L	100	15.93	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	84%	5%	
NAL13026-1734MSD	T1-57	ORG 74-83-9	Bromomethane	1700		ug/L	250	25.02	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	68%	11%	
NAL13026-1734MSD	T1-57	ORG 75-00-3	Chloroethane	1400		ug/L	250	27.80	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	56%	0%	
NAL13026-1734MSD	T1-57	ORG 75-69-4	Trichlorofluoromethane	6900		ug/L	250	9.83	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	276%	19%	
NAL13026-1734MSD	T1-57	ORG 75-35-4	1,1-Dichloroethene	1400		ug/L	50	23.55	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	56%	7%	
NAL13026-1734MSD	T1-57	ORG 75-09-2	Methylene chloride	2000		ug/L	250	13.23	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	80%	0%	
NAL13026-1734MSD	T1-57	ORG 67-64-1	Acetone	63000		ug/L	500	77.80	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	-120%	0%	66000
NAL13026-1734MSD	T1-57	ORG 156-60-5	trans-1,2-Dichloroethene	2100		ug/L	50	27.80	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	84%	0%	
NAL13026-1734MSD	T1-57	ORG 1634-04-4	MTBE	2500		ug/L	250	30.59	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	100%	0%	
NAL13026-1734MSD	T1-57	ORG 75-34-3	1,1-Dichloroethane	2000		ug/L	50	26.33	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	80%	0%	
NAL13026-1734MSD	T1-57	ORG 156-59-2	cis-1,2-Dichloroethene	2700		ug/L	50	16.06	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	108%	4%	
NAL13026-1734MSD	T1-57	ORG 74-97-5	Bromochloromethane	2300		ug/L	500	20.68	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	92%	0%	
NAL13026-1734MSD	T1-57	ORG 67-66-3	Chloroform	2200		ug/L	100	7.86	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	88%	5%	
NAL13026-1734MSD	T1-57	ORG 71-55-6	1,1,1-Trichloroethane	2300		ug/L	50	8.33	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	92%	0%	
NAL13026-1734MSD	T1-57	ORG 78-93-3	2-Butanone	14000		ug/L	50	40.59	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	120%	0%	11000
NAL13026-1734MSD	T1-57	ORG 56-23-5	Carbon tetrachloride	2300		ug/L	50	13.82	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	92%	0%	
NAL13026-1734MSD	T1-57	ORG 71-43-2	Benzene	2300		ug/L	50	6.76	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	92%	0%	
NAL13026-1734MSD	T1-57	ORG 107-06-2	1,2-Dichloroethane	2100		ug/L	50	10.00	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	84%	0%	
NAL13026-1734MSD	T1-57	ORG 79-01-6	Trichloroethene	2400		ug/L	50	18.17	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	96%	4%	
NAL13026-1734MSD	T1-57	ORG 74-95-3	Dibromomethane	2400		ug/L	100	16.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	96%	0%	
NAL13026-1734MSD	T1-57	ORG 78-87-5	1,2-Dichloropropane	2400		ug/L	50	9.08	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	96%	0%	
NAL13026-1734MSD	T1-57	ORG 75-27-4	Bromodichloromethane	2200		ug/L	100	5.79	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	88%	5%	
NAL13026-1734MSD	T1-57	ORG 10061-01-5	cis-1,3-Dichloropropene	2600		ug/L	50	12.50	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	104%	0%	
NAL13026-1734MSD	T1-57	ORG 108-88-3	Toluene	2200		ug/L	50	10.48	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	88%	0%	
NAL13026-1734MSD	T1-57	ORG 108-10-1	4-Methyl-2-pentanone	2300		ug/L	250	37.00	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	83%	8%	222
NAL13026-1734MSD	T1-57	ORG 10061-02-6	trans-1,3-Dichloropropene	2600		ug/L	50	15.57	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	104%	0%	
NAL13026-1734MSD	T1-57	ORG 127-18-4	Tetrachloroethene	2600		ug/L	50	24.28	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	104%	4%	
NAL13026-1734MSD	T1-57	ORG 79-00-5	1,1,2-Trichloroethane	2100		ug/L	50	17.14	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	84%	5%	
NAL13026-1734MSD	T1-57	ORG 124-48-1	Dibromochloromethane	2400		ug/L	250	14.95	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	96%	0%	
NAL13026-1734MSD	T1-57	ORG 106-93-4	1,2-Dibromoethane	2500		ug/L	100	13.24	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	100%	0%	
NAL13026-1734MSD	T1-57	ORG 591-78-6	2-Hexanone	1200		ug/L	100	34.45	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	42%	15%	144
NAL13026-1734MSD	T1-57	ORG 100-41-4	Ethylbenzene	2600		ug/L	100	12.69	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	104%	4%	
NAL13026-1734MSD	T1-57	ORG 108-90-7	Chlorobenzene	2300		ug/L	50	13.76	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	92%	0%	
NAL13026-1734MSD	T1-57	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2500		ug/L	100	9.64	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	100%	4%	
NAL13026-1734MSD	T1-57	ORG XYLMP	p&m-Xylene	5300		ug/L	100	13.07	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	5000	106%	2%	
NAL13026-1734MSD	T1-57	ORG 95-47-6	o-Xylene	2500		ug/L	50	6.45	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	100%	0%	
NAL13026-1734MSD	T1-57	ORG 100-42-5	Styrene	2500		ug/L	50	10.12	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	100%	0%	
NAL13026-1734MSD	T1-57	ORG 75-25-2	Bromoform	2400		ug/L	100	23.41	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	96%	0%	
NAL13026-1734MSD	T1-57	ORG 98-82-8	Isopropylbenzene	2600		ug/L	100	10.24	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	102%	0%	44
NAL13026-1734MSD	T1-57	ORG 103-65-1	n-Propylbenzene	2700		ug/L	100	13.50	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	108%	4%	
NAL13026-1734MSD	T1-57	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2200		ug/L	100	14.58	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	88%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1734MSD	T1-57	ORG 96-18-4	1,2,3-Trichloropropane	2100		ug/L	100	14.73	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	84%	0%	
NAL13026-1734MSD	T1-57	ORG 108-67-8	1,3,5-Trimethylbenzene	2500		ug/L	100	10.01	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	99%	4%	29
NAL13026-1734MSD	T1-57	ORG 98-06-6	tert-Butylbenzene	2500		ug/L	100	16.30	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	100%	0%	
NAL13026-1734MSD	T1-57	ORG 95-63-6	1,2,4-Trimethylbenzene	2500		ug/L	100	10.01	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	98%	0%	57
NAL13026-1734MSD	T1-57	ORG 135-98-8	sec-Butylbenzene	2500		ug/L	100	16.17	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	100%	0%	
NAL13026-1734MSD	T1-57	ORG 541-73-1	1,3-Dichlorobenzene	2600		ug/L	100	11.11	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	104%	0%	
NAL13026-1734MSD	T1-57	ORG 99-87-6	p-Isopropyltoluene	2800		ug/L	100	12.74	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	100%	4%	310
NAL13026-1734MSD	T1-57	ORG 106-46-7	1,4-Dichlorobenzene	2500		ug/L	100	16.52	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	96%	0%	110
NAL13026-1734MSD	T1-57	ORG 95-50-1	1,2-Dichlorobenzene	2600		ug/L	100	13.19	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	104%	0%	
NAL13026-1734MSD	T1-57	ORG 104-51-8	n-Butylbenzene	2500		ug/L	250	13.90	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	99%	4%	24
NAL13026-1734MSD	T1-57	ORG 96-12-8	1,2-Dibromo-3-chloropropane	2700		ug/L	250	79.56	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	108%	7%	
NAL13026-1734MSD	T1-57	ORG 87-68-3	Hexachlorobutadiene	2300		ug/L	250	32.71	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	92%	0%	
NAL13026-1734MSD	T1-57	ORG 120-82-1	1,2,4-Trichlorobenzene	2500		ug/L	250	13.81	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	100%	4%	
NAL13026-1734MSD	T1-57	ORG 91-20-3	Naphthalene	3300		ug/L	250	28.02	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	107%	0%	620
NAL13026-1734MSD	T1-57	ORG 87-61-6	1,2,3-Trichlorobenzene	2600		ug/L	250	11.64	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	2500	104%	4%	
NAL13026-1734MSD	T1-57	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	50	98%	0%	
NAL13026-1734MSD	T1-57	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	50	88%	0%	
NAL13026-1734MSD	T1-57	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	50	94%	0%	
NAL13026-1734MSD	T1-57	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	11/4/2014	11/4/2014	11/4/2014	WG	50	NA	5.0	NA	SW8260B	NALD5187	50	108%	2%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1735	T1-058	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	250	14.64	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 74-87-3	Chloromethane		UX-	ug/L	250	21.54	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 75-01-4	Vinyl chloride		U	ug/L	100	15.93	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 74-83-9	Bromomethane		U	ug/L	250	25.02	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 75-00-3	Chloroethane		UX-	ug/L	250	27.80	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	250	9.83	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 75-35-4	1,1-Dichloroethene		UX-	ug/L	50	23.55	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 75-09-2	Methylene chloride		U	ug/L	250	13.23	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 67-64-1	Acetone	74000	D	ug/L	5000	778.04	11/5/2014	11/5/2014	11/5/2014	WG	500	NA	5.0	NA	SW8260B	NALD5196				
NAL13026-1735	T1-058	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	50	27.80	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 1634-04-4	MTBE		U	ug/L	250	30.59	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	50	26.33	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	50	16.06	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 74-97-5	Bromochloromethane		U	ug/L	100	20.68	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 67-66-3	Chloroform		U	ug/L	50	7.86	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	50	8.33	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 78-93-3	2-Butanone	10000	D	ug/L	5000	405.90	11/5/2014	11/5/2014	11/5/2014	WG	500	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 56-23-5	Carbon tetrachloride		U	ug/L	50	13.82	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5196				
NAL13026-1735	T1-058	ORG 71-43-2	Benzene	10	J	ug/L	50	6.76	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	50	10.00	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 79-01-6	Trichloroethene		U	ug/L	50	18.17	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 74-95-3	Dibromomethane		U	ug/L	100	16.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	50	9.08	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 75-27-4	Bromodichloromethane		U	ug/L	100	5.79	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	50	12.50	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 108-88-3	Toluene		U	ug/L	50	10.48	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 108-10-1	4-Methyl-2-pentanone	220	J	ug/L	250	37.00	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	50	15.57	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 127-18-4	Tetrachloroethene		U	ug/L	50	24.28	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	50	17.14	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 124-48-1	Dibromochloromethane		U	ug/L	100	14.95	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	100	13.24	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 591-78-6	2-Hexanone	150	J	ug/L	250	34.45	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 100-41-4	Ethylbenzene		U	ug/L	50	12.69	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 108-90-7	Chlorobenzene		U	ug/L	50	13.76	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	100	9.64	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG XYLMP	p&m-Xylene		U	ug/L	100	13.07	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 95-47-6	o-Xylene		U	ug/L	50	6.45	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 100-42-5	Styrene		U	ug/L	50	10.12	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 75-25-2	Bromoform		U	ug/L	100	23.41	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 98-82-8	Isopropylbenzene	46	J	ug/L	100	10.24	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 103-65-1	n-Propylbenzene		U	ug/L	100	13.50	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	100	14.58	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1735	T1-058	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	100	14.73	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 108-67-8	1,3,5-Trimethylbenzene	30	J	ug/L	100	10.01	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 98-06-6	tert-Butylbenzene		U	ug/L	100	16.30	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 95-63-6	1,2,4-Trimethylbenzene	60	J	ug/L	100	10.01	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 135-98-8	sec-Butylbenzene		U	ug/L	100	16.17	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	100	11.11	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 99-87-6	p-Isopropyltoluene	310		ug/L	100	12.74	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 106-46-7	1,4-Dichlorobenzene	110		ug/L	100	16.52	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	100	13.19	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 104-51-8	n-Butylbenzene	25	J	ug/L	250	13.90	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	250	79.56	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	250	32.71	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	250	13.81	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 91-20-3	Naphthalene	560		ug/L	250	28.02	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	250	11.64	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195				
NAL13026-1735	T1-058	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195	50	94%		
NAL13026-1735	T1-058	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195	50	94%		
NAL13026-1735	T1-058	STD 2037-26-5	Toluene d8	49		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195	50	98%		
NAL13026-1735	T1-058	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5195	50	108%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110514CCVA	D110514CCVA	ORG 75-71-8	Dichlorodifluoromethane	55		ug/L	5	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	110%		
D110514CCVA	D110514CCVA	ORG 74-87-3	Chloromethane	39		ug/L	5	0.43	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	78%		
D110514CCVA	D110514CCVA	ORG 75-01-4	Vinyl chloride	49		ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	98%		
D110514CCVA	D110514CCVA	ORG 74-83-9	Bromomethane	42		ug/L	5	0.50	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	84%		
D110514CCVA	D110514CCVA	ORG 75-00-3	Chloroethane	31		ug/L	5	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	62%		
D110514CCVA	D110514CCVA	ORG 75-69-4	Trichlorofluoromethane	160		ug/L	5	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	320%		
D110514CCVA	D110514CCVA	ORG 75-35-4	1,1-Dichloroethene	29		ug/L	1	0.47	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	58%		
D110514CCVA	D110514CCVA	ORG 75-09-2	Methylene chloride	42		ug/L	5	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	84%		
D110514CCVA	D110514CCVA	ORG 67-64-1	Acetone	56		ug/L	10	1.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	112%		
D110514CCVA	D110514CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	44		ug/L	1	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	88%		
D110514CCVA	D110514CCVA	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	98%		
D110514CCVA	D110514CCVA	ORG 75-34-3	1,1-Dichloroethane	42		ug/L	1	0.53	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	84%		
D110514CCVA	D110514CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	52		ug/L	1	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	104%		
D110514CCVA	D110514CCVA	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	98%		
D110514CCVA	D110514CCVA	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	88%		
D110514CCVA	D110514CCVA	ORG 71-55-6	1,1,1-Trichloroethane	47		ug/L	1	0.17	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	94%		
D110514CCVA	D110514CCVA	ORG 78-93-3	2-Butanone	53		ug/L	1	0.81	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	106%		
D110514CCVA	D110514CCVA	ORG 56-23-5	Carbon tetrachloride	41		ug/L	1	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	98%		
D110514CCVA	D110514CCVA	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	94%		
D110514CCVA	D110514CCVA	ORG 107-06-2	1,2-Dichloroethane	43		ug/L	1	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	86%		
D110514CCVA	D110514CCVA	ORG 79-01-6	Trichloroethene	48		ug/L	1	0.36	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	96%		
D110514CCVA	D110514CCVA	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	94%		
D110514CCVA	D110514CCVA	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	94%		
D110514CCVA	D110514CCVA	ORG 75-27-4	Bromodichloromethane	44		ug/L	2	0.12	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	88%		
D110514CCVA	D110514CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	104%		
D110514CCVA	D110514CCVA	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	90%		
D110514CCVA	D110514CCVA	ORG 108-10-1	4-Methyl-2-pentanone	48		ug/L	5	0.74	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	96%		
D110514CCVA	D110514CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	53		ug/L	1	0.31	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	106%		
D110514CCVA	D110514CCVA	ORG 127-18-4	Tetrachloroethene	49		ug/L	1	0.49	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	98%		
D110514CCVA	D110514CCVA	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	86%		
D110514CCVA	D110514CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	100%		
D110514CCVA	D110514CCVA	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	102%		
D110514CCVA	D110514CCVA	ORG 591-78-6	2-Hexanone	42		ug/L	2	0.69	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	84%		
D110514CCVA	D110514CCVA	ORG 100-41-4	Ethylbenzene	54		ug/L	1	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	108%		
D110514CCVA	D110514CCVA	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	96%		
D110514CCVA	D110514CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	102%		
D110514CCVA	D110514CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	100	110%		
D110514CCVA	D110514CCVA	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	102%		
D110514CCVA	D110514CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	100%		
D110514CCVA	D110514CCVA	ORG 75-25-2	Bromoform	48		ug/L	2	0.47	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	96%		
D110514CCVA	D110514CCVA	ORG 98-82-8	Isopropylbenzene	54		ug/L	2	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	108%		
D110514CCVA	D110514CCVA	ORG 103-65-1	n-Propylbenzene	56		ug/L	2	0.27	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	112%		
D110514CCVA	D110514CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	44		ug/L	2	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	88%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110514CCVA	D110514CCVA	ORG 96-18-4	1,2,3-Trichloropropane	43		ug/L	2	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	86%		
D110514CCVA	D110514CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	51		ug/L	2	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	102%		
D110514CCVA	D110514CCVA	ORG 98-06-6	tert-Butylbenzene	53		ug/L	2	0.33	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	106%		
D110514CCVA	D110514CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	51		ug/L	2	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	102%		
D110514CCVA	D110514CCVA	ORG 135-98-8	sec-Butylbenzene	53		ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	106%		
D110514CCVA	D110514CCVA	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	104%		
D110514CCVA	D110514CCVA	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	106%		
D110514CCVA	D110514CCVA	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	96%		
D110514CCVA	D110514CCVA	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	106%		
D110514CCVA	D110514CCVA	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	104%		
D110514CCVA	D110514CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	48		ug/L	5	1.59	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	96%		
D110514CCVA	D110514CCVA	ORG 87-68-3	Hexachlorobutadiene	52		ug/L	5	0.65	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	104%		
D110514CCVA	D110514CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	47		ug/L	5	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	94%		
D110514CCVA	D110514CCVA	ORG 91-20-3	Naphthalene	48		ug/L	5	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	96%		
D110514CCVA	D110514CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	102%		
D110514CCVA	D110514CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	98%		
D110514CCVA	D110514CCVA	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	88%		
D110514CCVA	D110514CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	94%		
D110514CCVA	D110514CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5193	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110514MBKA	D110514MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 100-42-5	Styrene	U		ug/L	1	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110514MBKA	D110514MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194				
D110514MBKA	D110514MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194	50	94%		
D110514MBKA	D110514MBKA	STD 17060-07-0	1,2-Dichloroethane d4	48		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194	50	96%		
D110514MBKA	D110514MBKA	STD 2037-26-5	Toluene d8	51		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194	50	102%		
D110514MBKA	D110514MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5194	50	110%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110514ALCS	D110514ALCS	ORG 75-71-8	Dichlorodifluoromethane	55		ug/L	5	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	110%		
D110514ALCS	D110514ALCS	ORG 74-87-3	Chloromethane	39		ug/L	5	0.43	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	78%		
D110514ALCS	D110514ALCS	ORG 75-01-4	Vinyl chloride	49		ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	98%		
D110514ALCS	D110514ALCS	ORG 74-83-9	Bromomethane	48		ug/L	5	0.50	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	96%		
D110514ALCS	D110514ALCS	ORG 75-00-3	Chloroethane	34		ug/L	5	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	68%		
D110514ALCS	D110514ALCS	ORG 75-69-4	Trichlorofluoromethane	290		ug/L	5	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	580%		
D110514ALCS	D110514ALCS	ORG 75-35-4	1,1-Dichloroethene	33		ug/L	1	0.47	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	66%		
D110514ALCS	D110514ALCS	ORG 75-09-2	Methylene chloride	27		ug/L	5	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	54%		
D110514ALCS	D110514ALCS	ORG 67-64-1	Acetone	43		ug/L	10	1.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	86%		
D110514ALCS	D110514ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	45		ug/L	1	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	90%		
D110514ALCS	D110514ALCS	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	98%		
D110514ALCS	D110514ALCS	ORG 75-34-3	1,1-Dichloroethane	42		ug/L	1	0.53	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	84%		
D110514ALCS	D110514ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	50		ug/L	1	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	100%		
D110514ALCS	D110514ALCS	ORG 74-97-5	Bromochloromethane	50		ug/L	10	0.41	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	100%		
D110514ALCS	D110514ALCS	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	88%		
D110514ALCS	D110514ALCS	ORG 71-55-6	1,1,1-Trichloroethane	46		ug/L	1	0.17	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	92%		
D110514ALCS	D110514ALCS	ORG 78-93-3	2-Butanone	56		ug/L	1	0.81	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	112%		
D110514ALCS	D110514ALCS	ORG 56-23-5	Carbon tetrachloride	47		ug/L	1	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	94%		
D110514ALCS	D110514ALCS	ORG 71-43-2	Benzene	47		ug/L	1	0.14	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	94%		
D110514ALCS	D110514ALCS	ORG 107-06-2	1,2-Dichloroethane	44		ug/L	1	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	88%		
D110514ALCS	D110514ALCS	ORG 79-01-6	Trichloroethene	46		ug/L	1	0.36	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	92%		
D110514ALCS	D110514ALCS	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	96%		
D110514ALCS	D110514ALCS	ORG 78-87-5	1,2-Dichloropropane	46		ug/L	1	0.18	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	92%		
D110514ALCS	D110514ALCS	ORG 75-27-4	Bromodichloromethane	44		ug/L	2	0.12	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	88%		
D110514ALCS	D110514ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	49		ug/L	1	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	98%		
D110514ALCS	D110514ALCS	ORG 108-88-3	Toluene	44		ug/L	1	0.21	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	88%		
D110514ALCS	D110514ALCS	ORG 108-10-1	4-Methyl-2-pentanone	49		ug/L	5	0.74	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	98%		
D110514ALCS	D110514ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	51		ug/L	1	0.31	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	102%		
D110514ALCS	D110514ALCS	ORG 127-18-4	Tetrachloroethene	46		ug/L	1	0.49	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	92%		
D110514ALCS	D110514ALCS	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	86%		
D110514ALCS	D110514ALCS	ORG 124-48-1	Dibromochloromethane	48		ug/L	5	0.30	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	96%		
D110514ALCS	D110514ALCS	ORG 106-93-4	1,2-Dibromoethane	49		ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	98%		
D110514ALCS	D110514ALCS	ORG 591-78-6	2-Hexanone	44		ug/L	2	0.69	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	88%		
D110514ALCS	D110514ALCS	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	106%		
D110514ALCS	D110514ALCS	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	94%		
D110514ALCS	D110514ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	100%		
D110514ALCS	D110514ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	100	110%		
D110514ALCS	D110514ALCS	ORG 95-47-6	o-Xylene	49		ug/L	1	0.13	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	98%		
D110514ALCS	D110514ALCS	ORG 100-42-5	Styrene	48		ug/L	1	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	96%		
D110514ALCS	D110514ALCS	ORG 75-25-2	Bromoform	46		ug/L	2	0.47	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	92%		
D110514ALCS	D110514ALCS	ORG 98-82-8	Isopropylbenzene	51		ug/L	2	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	102%		
D110514ALCS	D110514ALCS	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	110%		
D110514ALCS	D110514ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5197	50	90%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Table with 24 columns: Lab ID, Sample ID, CAS #, ANALYTES, Results, QC, Units, RDL, MDL, Sample Date, Prep. Date, Analysis Date, Matrix, Dil., Weight(g), Vol.(ml), % Solid, Method, Data file, Spike, % Rec, % RPD, Parent. It contains 24 rows of analytical data for various compounds like Trichloropropane, Butylbenzene, Dichlorobenzene, etc.



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110514ALCD	D110514ALCD	ORG 75-71-8	Dichlorodifluoromethane	51		ug/L	5	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	102%	8%	
D110514ALCD	D110514ALCD	ORG 74-87-3	Chloromethane	39		ug/L	5	0.43	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	78%	0%	
D110514ALCD	D110514ALCD	ORG 75-01-4	Vinyl chloride	46		ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	92%	6%	
D110514ALCD	D110514ALCD	ORG 74-83-9	Bromomethane	41		ug/L	5	0.50	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	82%	16%	
D110514ALCD	D110514ALCD	ORG 75-00-3	Chloroethane	32		ug/L	5	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	64%	6%	
D110514ALCD	D110514ALCD	ORG 75-69-4	Trichlorofluoromethane	120		ug/L	5	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	240%	83%	
D110514ALCD	D110514ALCD	ORG 75-35-4	1,1-Dichloroethene	30		ug/L	1	0.47	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	60%	10%	
D110514ALCD	D110514ALCD	ORG 75-09-2	Methylene chloride	41		ug/L	5	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	82%	41%	
D110514ALCD	D110514ALCD	ORG 67-64-1	Acetone	70		ug/L	10	1.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	140%	48%	
D110514ALCD	D110514ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	43		ug/L	1	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	86%	5%	
D110514ALCD	D110514ALCD	ORG 1634-04-4	MTBE	49		ug/L	5	0.61	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	98%	0%	
D110514ALCD	D110514ALCD	ORG 75-34-3	1,1-Dichloroethane	41		ug/L	1	0.53	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	82%	2%	
D110514ALCD	D110514ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	51		ug/L	1	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	102%	2%	
D110514ALCD	D110514ALCD	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	98%	2%	
D110514ALCD	D110514ALCD	ORG 67-66-3	Chloroform	43		ug/L	2	0.16	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	86%	2%	
D110514ALCD	D110514ALCD	ORG 71-55-6	1,1,1-Trichloroethane	45		ug/L	1	0.17	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	90%	2%	
D110514ALCD	D110514ALCD	ORG 78-93-3	2-Butanone	49		ug/L	1	0.81	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	98%	13%	
D110514ALCD	D110514ALCD	ORG 56-23-5	Carbon tetrachloride	46		ug/L	1	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	92%	2%	
D110514ALCD	D110514ALCD	ORG 71-43-2	Benzene	46		ug/L	1	0.14	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	92%	2%	
D110514ALCD	D110514ALCD	ORG 107-06-2	1,2-Dichloroethane	43		ug/L	1	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	86%	2%	
D110514ALCD	D110514ALCD	ORG 79-01-6	Trichloroethene	47		ug/L	1	0.36	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	94%	2%	
D110514ALCD	D110514ALCD	ORG 74-95-3	Dibromomethane	47		ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	94%	2%	
D110514ALCD	D110514ALCD	ORG 78-87-5	1,2-Dichloropropane	47		ug/L	1	0.18	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	94%	2%	
D110514ALCD	D110514ALCD	ORG 75-27-4	Bromodichloromethane	43		ug/L	2	0.12	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	86%	2%	
D110514ALCD	D110514ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	50		ug/L	1	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	100%	2%	
D110514ALCD	D110514ALCD	ORG 108-88-3	Toluene	43		ug/L	1	0.21	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	86%	2%	
D110514ALCD	D110514ALCD	ORG 108-10-1	4-Methyl-2-pentanone	50		ug/L	5	0.74	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	100%	2%	
D110514ALCD	D110514ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	52		ug/L	1	0.31	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	104%	2%	
D110514ALCD	D110514ALCD	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	96%	4%	
D110514ALCD	D110514ALCD	ORG 79-00-5	1,1,2-Trichloroethane	43		ug/L	1	0.34	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	86%	0%	
D110514ALCD	D110514ALCD	ORG 124-48-1	Dibromochloromethane	48		ug/L	5	0.30	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	96%	0%	
D110514ALCD	D110514ALCD	ORG 106-93-4	1,2-Dibromoethane	50		ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	100%	2%	
D110514ALCD	D110514ALCD	ORG 591-78-6	2-Hexanone	48		ug/L	2	0.69	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	96%	9%	
D110514ALCD	D110514ALCD	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	106%	0%	
D110514ALCD	D110514ALCD	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	94%	0%	
D110514ALCD	D110514ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	50		ug/L	2	0.19	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	100%	0%	
D110514ALCD	D110514ALCD	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	100	110%	0%	
D110514ALCD	D110514ALCD	ORG 95-47-6	o-Xylene	50		ug/L	1	0.13	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	100%	2%	
D110514ALCD	D110514ALCD	ORG 100-42-5	Styrene	49		ug/L	1	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	98%	2%	
D110514ALCD	D110514ALCD	ORG 75-25-2	Bromoform	47		ug/L	2	0.47	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	94%	2%	
D110514ALCD	D110514ALCD	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	104%	2%	
D110514ALCD	D110514ALCD	ORG 103-65-1	n-Propylbenzene	54		ug/L	2	0.27	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	108%	2%	
D110514ALCD	D110514ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	44		ug/L	2	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	88%	2%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110514ALCD	D110514ALCD	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	88%	2%	
D110514ALCD	D110514ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	49		ug/L	2	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	98%	0%	
D110514ALCD	D110514ALCD	ORG 98-06-6	tert-Butylbenzene	50		ug/L	2	0.33	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	100%	0%	
D110514ALCD	D110514ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	49		ug/L	2	0.20	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	98%	2%	
D110514ALCD	D110514ALCD	ORG 135-98-8	sec-Butylbenzene	50		ug/L	2	0.32	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	100%	2%	
D110514ALCD	D110514ALCD	ORG 541-73-1	1,3-Dichlorobenzene	52		ug/L	2	0.22	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	104%	0%	
D110514ALCD	D110514ALCD	ORG 99-87-6	p-Isopropyltoluene	50		ug/L	2	0.25	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	100%	0%	
D110514ALCD	D110514ALCD	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	96%	2%	
D110514ALCD	D110514ALCD	ORG 95-50-1	1,2-Dichlorobenzene	52		ug/L	2	0.26	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	104%	0%	
D110514ALCD	D110514ALCD	ORG 104-51-8	n-Butylbenzene	49		ug/L	5	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	98%	0%	
D110514ALCD	D110514ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	49		ug/L	5	1.59	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	98%	4%	
D110514ALCD	D110514ALCD	ORG 87-68-3	Hexachlorobutadiene	47		ug/L	5	0.65	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	94%	0%	
D110514ALCD	D110514ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	45		ug/L	5	0.28	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	90%	5%	
D110514ALCD	D110514ALCD	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	94%	4%	
D110514ALCD	D110514ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	49		ug/L	5	0.23	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	98%	0%	
D110514ALCD	D110514ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	98%	2%	
D110514ALCD	D110514ALCD	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	90%	2%	
D110514ALCD	D110514ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	94%	0%	
D110514ALCD	D110514ALCD	STD 460-00-4	Bromofluorobenzene	51		ug/L	1	0.10	NA	11/5/2014	11/5/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5198	50	102%	0%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1735MS	T1-058	ORG 75-71-8	Dichlorodifluoromethane	2600		ug/L	250	14.64	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	104%		
NAL13026-1735MS	T1-058	ORG 74-87-3	Chloromethane	2000		ug/L	250	21.54	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	80%		
NAL13026-1735MS	T1-058	ORG 75-01-4	Vinyl chloride	2300		ug/L	100	15.93	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	92%		
NAL13026-1735MS	T1-058	ORG 74-83-9	Bromomethane	1700		ug/L	250	25.02	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	68%		
NAL13026-1735MS	T1-058	ORG 75-00-3	Chloroethane	1600		ug/L	250	27.80	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	64%		
NAL13026-1735MS	T1-058	ORG 75-69-4	Trichlorofluoromethane	3100		ug/L	250	9.83	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	124%		
NAL13026-1735MS	T1-058	ORG 75-35-4	1,1-Dichloroethene	1300		ug/L	50	23.55	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	52%		
NAL13026-1735MS	T1-058	ORG 75-09-2	Methylene chloride	2000		ug/L	250	13.23	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	80%		
NAL13026-1735MS	T1-058	ORG 67-64-1	Acetone	71000		ug/L	500	77.80	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	-120%		74000
NAL13026-1735MS	T1-058	ORG 156-60-5	trans-1,2-Dichloroethene	2100		ug/L	50	27.80	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	84%		
NAL13026-1735MS	T1-058	ORG 1634-04-4	MTBE	2400		ug/L	250	30.59	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		
NAL13026-1735MS	T1-058	ORG 75-34-3	1,1-Dichloroethane	2000		ug/L	50	26.33	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	80%		
NAL13026-1735MS	T1-058	ORG 156-59-2	cis-1,2-Dichloroethene	2600		ug/L	50	16.06	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	104%		
NAL13026-1735MS	T1-058	ORG 74-97-5	Bromochloromethane	2300		ug/L	500	20.68	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	92%		
NAL13026-1735MS	T1-058	ORG 67-66-3	Chloroform	2100		ug/L	100	7.86	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	84%		
NAL13026-1735MS	T1-058	ORG 71-55-6	1,1,1-Trichloroethane	2200		ug/L	50	8.33	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	88%		
NAL13026-1735MS	T1-058	ORG 78-93-3	2-Butanone	16000		ug/L	50	40.59	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	240%		10000
NAL13026-1735MS	T1-058	ORG 56-23-5	Carbon tetrachloride	2300		ug/L	50	13.82	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	92%		
NAL13026-1735MS	T1-058	ORG 71-43-2	Benzene	2300		ug/L	50	6.76	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	88%		100
NAL13026-1735MS	T1-058	ORG 107-06-2	1,2-Dichloroethane	2100		ug/L	50	10.00	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	84%		
NAL13026-1735MS	T1-058	ORG 79-01-6	Trichloroethene	2300		ug/L	50	18.17	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	92%		
NAL13026-1735MS	T1-058	ORG 74-95-3	Dibromomethane	2400		ug/L	100	16.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		
NAL13026-1735MS	T1-058	ORG 78-87-5	1,2-Dichloropropane	2400		ug/L	50	9.08	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		
NAL13026-1735MS	T1-058	ORG 75-27-4	Bromodichloromethane	2100		ug/L	100	5.79	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	84%		
NAL13026-1735MS	T1-058	ORG 10061-01-5	cis-1,3-Dichloropropene	2600		ug/L	50	12.50	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	104%		
NAL13026-1735MS	T1-058	ORG 108-88-3	Toluene	2200		ug/L	50	10.48	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	88%		
NAL13026-1735MS	T1-058	ORG 108-10-1	4-Methyl-2-pentanone	2700		ug/L	250	37.00	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	99%		220
NAL13026-1735MS	T1-058	ORG 10061-02-6	trans-1,3-Dichloropropene	2600		ug/L	50	15.57	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	104%		
NAL13026-1735MS	T1-058	ORG 127-18-4	Tetrachloroethene	2400		ug/L	50	24.28	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		
NAL13026-1735MS	T1-058	ORG 79-00-5	1,1,2-Trichloroethane	2100		ug/L	50	17.14	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	84%		
NAL13026-1735MS	T1-058	ORG 124-48-1	Dibromochloromethane	2400		ug/L	250	14.95	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		
NAL13026-1735MS	T1-058	ORG 106-93-4	1,2-Dibromoethane	2500		ug/L	100	13.24	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	100%		
NAL13026-1735MS	T1-058	ORG 591-78-6	2-Hexanone	1700		ug/L	100	34.45	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	62%		150
NAL13026-1735MS	T1-058	ORG 100-41-4	Ethylbenzene	2500		ug/L	100	12.69	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	100%		
NAL13026-1735MS	T1-058	ORG 108-90-7	Chlorobenzene	2300		ug/L	50	13.76	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	92%		
NAL13026-1735MS	T1-058	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2400		ug/L	100	9.64	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		
NAL13026-1735MS	T1-058	ORG XYLMP	p&m-Xylene	5200		ug/L	100	13.07	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	5000	104%		
NAL13026-1735MS	T1-058	ORG 95-47-6	o-Xylene	2500		ug/L	50	6.45	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	100%		
NAL13026-1735MS	T1-058	ORG 100-42-5	Styrene	2400		ug/L	50	10.12	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		
NAL13026-1735MS	T1-058	ORG 75-25-2	Bromoform	2400		ug/L	100	23.41	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		
NAL13026-1735MS	T1-058	ORG 98-82-8	Isopropylbenzene	2600		ug/L	100	10.24	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	102%		46
NAL13026-1735MS	T1-058	ORG 103-65-1	n-Propylbenzene	2700		ug/L	100	13.50	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	108%		
NAL13026-1735MS	T1-058	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2200		ug/L	100	14.58	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	88%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1735MS	T1-058	ORG 96-18-4	1,2,3-Trichloropropane	2200		ug/L	100	14.73	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	88%		
NAL13026-1735MS	T1-058	ORG 108-67-8	1,3,5-Trimethylbenzene	2400		ug/L	100	10.01	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	95%		30
NAL13026-1735MS	T1-058	ORG 98-06-6	tert-Butylbenzene	2500		ug/L	100	16.30	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	100%		
NAL13026-1735MS	T1-058	ORG 95-63-6	1,2,4-Trimethylbenzene	2500		ug/L	100	10.01	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	98%		60
NAL13026-1735MS	T1-058	ORG 135-98-8	sec-Butylbenzene	2500		ug/L	100	16.17	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	100%		
NAL13026-1735MS	T1-058	ORG 541-73-1	1,3-Dichlorobenzene	2500		ug/L	100	11.11	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	100%		
NAL13026-1735MS	T1-058	ORG 99-87-6	p-Isopropyltoluene	2700		ug/L	100	12.74	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		310
NAL13026-1735MS	T1-058	ORG 106-46-7	1,4-Dichlorobenzene	2500		ug/L	100	16.52	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		110
NAL13026-1735MS	T1-058	ORG 95-50-1	1,2-Dichlorobenzene	2600		ug/L	100	13.19	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	104%		
NAL13026-1735MS	T1-058	ORG 104-51-8	n-Butylbenzene	2400		ug/L	250	13.90	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	95%		25
NAL13026-1735MS	T1-058	ORG 96-12-8	1,2-Dibromo-3-chloropropane	2900		ug/L	250	79.56	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	116%		
NAL13026-1735MS	T1-058	ORG 87-68-3	Hexachlorobutadiene	2300		ug/L	250	32.71	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	92%		
NAL13026-1735MS	T1-058	ORG 120-82-1	1,2,4-Trichlorobenzene	2400		ug/L	250	13.81	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	96%		
NAL13026-1735MS	T1-058	ORG 91-20-3	Naphthalene	3300		ug/L	250	28.02	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	110%		560
NAL13026-1735MS	T1-058	ORG 87-61-6	1,2,3-Trichlorobenzene	2600		ug/L	250	11.64	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	2500	104%		
NAL13026-1735MS	T1-058	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	50	98%		
NAL13026-1735MS	T1-058	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	50	88%		
NAL13026-1735MS	T1-058	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	50	94%		
NAL13026-1735MS	T1-058	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5199	50	106%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1735MSD	T1-058	ORG 75-71-8	Dichlorodifluoromethane	2600		ug/L	250	14.64	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	104%	0%	
NAL13026-1735MSD	T1-058	ORG 74-87-3	Chloromethane	2000		ug/L	250	21.54	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	80%	0%	
NAL13026-1735MSD	T1-058	ORG 75-01-4	Vinyl chloride	2300		ug/L	100	15.93	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	92%	0%	
NAL13026-1735MSD	T1-058	ORG 74-83-9	Bromomethane	1600		ug/L	250	25.02	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	64%	6%	
NAL13026-1735MSD	T1-058	ORG 75-00-3	Chloroethane	1500		ug/L	250	27.80	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	60%	6%	
NAL13026-1735MSD	T1-058	ORG 75-69-4	Trichlorofluoromethane	2600		ug/L	250	9.83	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	104%	18%	
NAL13026-1735MSD	T1-058	ORG 75-35-4	1,1-Dichloroethene	1200		ug/L	50	23.55	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	48%	8%	
NAL13026-1735MSD	T1-058	ORG 75-09-2	Methylene chloride	1900		ug/L	250	13.23	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	76%	5%	
NAL13026-1735MSD	T1-058	ORG 67-64-1	Acetone	73000		ug/L	500	77.80	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	-40%	3%	74000
NAL13026-1735MSD	T1-058	ORG 156-60-5	trans-1,2-Dichloroethene	2000		ug/L	50	27.80	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	80%	5%	
NAL13026-1735MSD	T1-058	ORG 1634-04-4	MTBE	2500		ug/L	250	30.59	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	100%	4%	
NAL13026-1735MSD	T1-058	ORG 75-34-3	1,1-Dichloroethane	2000		ug/L	50	26.33	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	80%	0%	
NAL13026-1735MSD	T1-058	ORG 156-59-2	cis-1,2-Dichloroethene	2600		ug/L	50	16.06	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	104%	0%	
NAL13026-1735MSD	T1-058	ORG 74-97-5	Bromochloromethane	2300		ug/L	500	20.68	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	92%	0%	
NAL13026-1735MSD	T1-058	ORG 67-66-3	Chloroform	2100		ug/L	100	7.86	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	84%	0%	
NAL13026-1735MSD	T1-058	ORG 71-55-6	1,1,1-Trichloroethane	2200		ug/L	50	8.33	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	88%	0%	
NAL13026-1735MSD	T1-058	ORG 78-93-3	2-Butanone	17000		ug/L	50	40.59	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	280%	6%	10000
NAL13026-1735MSD	T1-058	ORG 56-23-5	Carbon tetrachloride	2200		ug/L	50	13.82	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	88%	4%	
NAL13026-1735MSD	T1-058	ORG 71-43-2	Benzene	2200		ug/L	50	6.76	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	84%	4%	100
NAL13026-1735MSD	T1-058	ORG 107-06-2	1,2-Dichloroethane	2100		ug/L	50	10.00	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	84%	0%	
NAL13026-1735MSD	T1-058	ORG 79-01-6	Trichloroethene	2300		ug/L	50	18.17	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	92%	0%	
NAL13026-1735MSD	T1-058	ORG 74-95-3	Dibromomethane	2400		ug/L	100	16.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	96%	0%	
NAL13026-1735MSD	T1-058	ORG 78-87-5	1,2-Dichloropropane	2400		ug/L	50	9.08	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	96%	0%	
NAL13026-1735MSD	T1-058	ORG 75-27-4	Bromodichloromethane	2200		ug/L	100	5.79	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	88%	5%	
NAL13026-1735MSD	T1-058	ORG 10061-01-5	cis-1,3-Dichloropropene	2600		ug/L	50	12.50	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	104%	0%	
NAL13026-1735MSD	T1-058	ORG 108-88-3	Toluene	2200		ug/L	50	10.48	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	88%	0%	
NAL13026-1735MSD	T1-058	ORG 108-10-1	4-Methyl-2-pentanone	2700		ug/L	250	37.00	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	99%	0%	220
NAL13026-1735MSD	T1-058	ORG 10061-02-6	trans-1,3-Dichloropropene	2600		ug/L	50	15.57	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	104%	0%	
NAL13026-1735MSD	T1-058	ORG 127-18-4	Tetrachloroethene	2500		ug/L	50	24.28	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	100%	4%	
NAL13026-1735MSD	T1-058	ORG 79-00-5	1,1,2-Trichloroethane	2200		ug/L	50	17.14	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	88%	5%	
NAL13026-1735MSD	T1-058	ORG 124-48-1	Dibromochloromethane	2400		ug/L	250	14.95	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	96%	0%	
NAL13026-1735MSD	T1-058	ORG 106-93-4	1,2-Dibromoethane	2500		ug/L	100	13.24	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	100%	0%	
NAL13026-1735MSD	T1-058	ORG 591-78-6	2-Hexanone	1600		ug/L	100	34.45	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	58%	6%	150
NAL13026-1735MSD	T1-058	ORG 100-41-4	Ethylbenzene	2500		ug/L	50	12.69	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	100%	0%	
NAL13026-1735MSD	T1-058	ORG 108-90-7	Chlorobenzene	2300		ug/L	50	13.76	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	92%	0%	
NAL13026-1735MSD	T1-058	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2400		ug/L	100	9.64	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	96%	0%	
NAL13026-1735MSD	T1-058	ORG XYLMP	p&m-Xylene	5200		ug/L	100	13.07	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	5000	104%	0%	
NAL13026-1735MSD	T1-058	ORG 95-47-6	o-Xylene	2500		ug/L	50	6.45	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	100%	0%	
NAL13026-1735MSD	T1-058	ORG 100-42-5	Styrene	2400		ug/L	50	10.12	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	96%	0%	
NAL13026-1735MSD	T1-058	ORG 75-25-2	Bromoform	2400		ug/L	100	23.41	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	96%	0%	
NAL13026-1735MSD	T1-058	ORG 98-82-8	Isopropylbenzene	2600		ug/L	100	10.24	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	102%	0%	46
NAL13026-1735MSD	T1-058	ORG 103-65-1	n-Propylbenzene	2700		ug/L	100	13.50	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	108%	0%	
NAL13026-1735MSD	T1-058	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2200		ug/L	100	14.58	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	88%	0%	

Confidential
D110514AKCF



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1735MSD	T1-058	ORG 96-18-4	1,2,3-Trichloropropane	2100		ug/L	100	14.73	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	84%	5%	
NAL13026-1735MSD	T1-058	ORG 108-67-8	1,3,5-Trimethylbenzene	2400		ug/L	100	10.01	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	95%	0%	30
NAL13026-1735MSD	T1-058	ORG 98-06-6	tert-Butylbenzene	2500		ug/L	100	16.30	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	100%	0%	
NAL13026-1735MSD	T1-058	ORG 95-63-6	1,2,4-Trimethylbenzene	2500		ug/L	100	10.01	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	98%	0%	60
NAL13026-1735MSD	T1-058	ORG 135-98-8	sec-Butylbenzene	2500		ug/L	100	16.17	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	100%	0%	
NAL13026-1735MSD	T1-058	ORG 541-73-1	1,3-Dichlorobenzene	2600		ug/L	100	11.11	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	104%	4%	
NAL13026-1735MSD	T1-058	ORG 99-87-6	p-Isopropyltoluene	2700		ug/L	100	12.74	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	96%	0%	310
NAL13026-1735MSD	T1-058	ORG 106-46-7	1,4-Dichlorobenzene	2400		ug/L	100	16.52	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	92%	4%	110
NAL13026-1735MSD	T1-058	ORG 95-50-1	1,2-Dichlorobenzene	2600		ug/L	100	13.19	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	104%	0%	
NAL13026-1735MSD	T1-058	ORG 104-51-8	n-Butylbenzene	2400		ug/L	250	13.90	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	95%	0%	25
NAL13026-1735MSD	T1-058	ORG 96-12-8	1,2-Dibromo-3-chloropropane	3000		ug/L	250	79.56	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	120%	3%	
NAL13026-1735MSD	T1-058	ORG 87-68-3	Hexachlorobutadiene	2400		ug/L	250	32.71	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	96%	4%	
NAL13026-1735MSD	T1-058	ORG 120-82-1	1,2,4-Trichlorobenzene	2500		ug/L	250	13.81	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	100%	4%	
NAL13026-1735MSD	T1-058	ORG 91-20-3	Naphthalene	3400		ug/L	250	28.02	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	114%	3%	560
NAL13026-1735MSD	T1-058	ORG 87-61-6	1,2,3-Trichlorobenzene	2600		ug/L	250	11.64	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	2500	104%	0%	
NAL13026-1735MSD	T1-058	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	50	96%	2%	
NAL13026-1735MSD	T1-058	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	50	88%	0%	
NAL13026-1735MSD	T1-058	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	50	94%	0%	
NAL13026-1735MSD	T1-058	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	11/5/2014	11/5/2014	11/5/2014	WG	50	NA	5.0	NA	SW8260B	NALD5200	50	106%	0%	



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1736	T1-059	ORG 75-71-8	Dichlorodifluoromethane		U	ug/L	250	14.64	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 74-87-3	Chloromethane		U	ug/L	250	21.54	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 75-01-4	Vinyl chloride		U	ug/L	100	15.93	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 74-83-9	Bromomethane		UX-	ug/L	250	25.02	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 75-00-3	Chloroethane		UX-	ug/L	250	27.80	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 75-69-4	Trichlorofluoromethane		U	ug/L	250	9.83	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 75-35-4	1,1-Dichloroethene		UX-	ug/L	50	23.55	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 75-09-2	Methylene chloride		U	ug/L	250	13.23	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 67-64-1	Acetone	76000	D	ug/L	5000	778.04	11/6/2014	11/6/2014	11/6/2014	WG	500	NA	5.0	NA	SW8260B	NALD5206				
NAL13026-1736	T1-059	ORG 156-60-5	trans-1,2-Dichloroethene		U	ug/L	50	27.80	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 1634-04-4	MTBE		U	ug/L	250	30.59	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 75-34-3	1,1-Dichloroethane		U	ug/L	50	26.33	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 156-59-2	cis-1,2-Dichloroethene		U	ug/L	50	16.06	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 74-97-5	Bromochloromethane		U	ug/L	100	20.68	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 67-66-3	Chloroform		U	ug/L	50	7.86	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 71-55-6	1,1,1-Trichloroethane		U	ug/L	50	8.33	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 78-93-3	2-Butanone	12000	D	ug/L	5000	405.90	11/6/2014	11/6/2014	11/6/2014	WG	500	NA	5.0	NA	SW8260B	NALD5206				
NAL13026-1736	T1-059	ORG 56-23-5	Carbon tetrachloride		U	ug/L	50	13.82	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 71-43-2	Benzene		U	ug/L	50	6.76	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 107-06-2	1,2-Dichloroethane		U	ug/L	50	10.00	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 79-01-6	Trichloroethene		U	ug/L	50	18.17	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 74-95-3	Dibromomethane		U	ug/L	100	16.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 78-87-5	1,2-Dichloropropane		U	ug/L	50	9.08	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 75-27-4	Bromodichloromethane		U	ug/L	100	5.79	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 10061-01-5	cis-1,3-Dichloropropene		U	ug/L	50	12.50	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 108-88-3	Toluene		U	ug/L	50	10.48	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 108-10-1	4-Methyl-2-pentanone	200	J	ug/L	250	37.00	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 10061-02-6	trans-1,3-Dichloropropene		U	ug/L	50	15.57	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 127-18-4	Tetrachloroethene		U	ug/L	50	24.28	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 79-00-5	1,1,2-Trichloroethane		U	ug/L	50	17.14	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 124-48-1	Dibromochloromethane		U	ug/L	100	14.95	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 106-93-4	1,2-Dibromoethane		U	ug/L	100	13.24	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 591-78-6	2-Hexanone	130	J	ug/L	250	34.45	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 100-41-4	Ethylbenzene		U	ug/L	50	12.69	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 108-90-7	Chlorobenzene		U	ug/L	50	13.76	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	100	9.64	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG XYLMP	p&m-Xylene		U	ug/L	100	13.07	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 95-47-6	o-Xylene		U	ug/L	50	6.45	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 100-42-5	Styrene		U	ug/L	50	10.12	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 75-25-2	Bromoform		U	ug/L	100	23.41	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 98-82-8	Isopropylbenzene		U	ug/L	100	10.24	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 103-65-1	n-Propylbenzene		U	ug/L	100	13.50	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	100	14.58	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				



FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1736	T1-059	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	100	14.73	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 108-67-8	1,3,5-Trimethylbenzene	30	J	ug/L	100	10.01	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 98-06-6	tert-Butylbenzene		U	ug/L	100	16.30	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 95-63-6	1,2,4-Trimethylbenzene	52	J	ug/L	100	10.01	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 135-98-8	sec-Butylbenzene		U	ug/L	100	16.17	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	100	11.11	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 99-87-6	p-Isopropyltoluene	260		ug/L	100	12.74	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 106-46-7	1,4-Dichlorobenzene	100		ug/L	100	16.52	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	100	13.19	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 104-51-8	n-Butylbenzene	25	J	ug/L	250	13.90	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	250	79.56	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	250	32.71	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	250	13.81	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 91-20-3	Naphthalene	460		ug/L	250	28.02	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	250	11.64	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205				
NAL13026-1736	T1-059	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205	50	94%		
NAL13026-1736	T1-059	STD 17060-07-0	1,2-Dichloroethane d4	45		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205	50	90%		
NAL13026-1736	T1-059	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205	50	100%		
NAL13026-1736	T1-059	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5205	50	108%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110614CCVA	D110614CCVA	ORG 75-71-8	Dichlorodifluoromethane	53		ug/L	5	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	106%		
D110614CCVA	D110614CCVA	ORG 74-87-3	Chloromethane	42		ug/L	5	0.43	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	84%		
D110614CCVA	D110614CCVA	ORG 75-01-4	Vinyl chloride	48		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	96%		
D110614CCVA	D110614CCVA	ORG 74-83-9	Bromomethane	38		ug/L	5	0.50	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	76%		
D110614CCVA	D110614CCVA	ORG 75-00-3	Chloroethane	29		ug/L	5	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	58%		
D110614CCVA	D110614CCVA	ORG 75-69-4	Trichlorofluoromethane	63		ug/L	5	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	126%		
D110614CCVA	D110614CCVA	ORG 75-35-4	1,1-Dichloroethene	23		ug/L	1	0.47	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	46%		
D110614CCVA	D110614CCVA	ORG 75-09-2	Methylene chloride	45		ug/L	5	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	90%		
D110614CCVA	D110614CCVA	ORG 67-64-1	Acetone	47		ug/L	10	1.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	94%		
D110614CCVA	D110614CCVA	ORG 156-60-5	trans-1,2-Dichloroethene	48		ug/L	1	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	96%		
D110614CCVA	D110614CCVA	ORG 1634-04-4	MTBE	54		ug/L	5	0.61	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	108%		
D110614CCVA	D110614CCVA	ORG 75-34-3	1,1-Dichloroethane	43		ug/L	1	0.53	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	86%		
D110614CCVA	D110614CCVA	ORG 156-59-2	cis-1,2-Dichloroethene	54		ug/L	1	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	108%		
D110614CCVA	D110614CCVA	ORG 74-97-5	Bromochloromethane	49		ug/L	10	0.41	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	98%		
D110614CCVA	D110614CCVA	ORG 67-66-3	Chloroform	44		ug/L	2	0.16	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	88%		
D110614CCVA	D110614CCVA	ORG 71-55-6	1,1,1-Trichloroethane	48		ug/L	1	0.17	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	96%		
D110614CCVA	D110614CCVA	ORG 78-93-3	2-Butanone	54		ug/L	1	0.81	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	108%		
D110614CCVA	D110614CCVA	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	100%		
D110614CCVA	D110614CCVA	ORG 71-43-2	Benzene	48		ug/L	1	0.14	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	96%		
D110614CCVA	D110614CCVA	ORG 107-06-2	1,2-Dichloroethane	43		ug/L	1	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	86%		
D110614CCVA	D110614CCVA	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	100%		
D110614CCVA	D110614CCVA	ORG 74-95-3	Dibromomethane	48		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	96%		
D110614CCVA	D110614CCVA	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	96%		
D110614CCVA	D110614CCVA	ORG 75-27-4	Bromodichloromethane	44		ug/L	2	0.12	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	88%		
D110614CCVA	D110614CCVA	ORG 10061-01-5	cis-1,3-Dichloropropene	53		ug/L	1	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	106%		
D110614CCVA	D110614CCVA	ORG 108-88-3	Toluene	44		ug/L	1	0.21	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	88%		
D110614CCVA	D110614CCVA	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	112%		
D110614CCVA	D110614CCVA	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	108%		
D110614CCVA	D110614CCVA	ORG 127-18-4	Tetrachloroethene	49		ug/L	1	0.49	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	98%		
D110614CCVA	D110614CCVA	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	88%		
D110614CCVA	D110614CCVA	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	100%		
D110614CCVA	D110614CCVA	ORG 106-93-4	1,2-Dibromoethane	51		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	102%		
D110614CCVA	D110614CCVA	ORG 591-78-6	2-Hexanone	52		ug/L	2	0.69	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	104%		
D110614CCVA	D110614CCVA	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	106%		
D110614CCVA	D110614CCVA	ORG 108-90-7	Chlorobenzene	47		ug/L	1	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	94%		
D110614CCVA	D110614CCVA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	102%		
D110614CCVA	D110614CCVA	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	100	110%		
D110614CCVA	D110614CCVA	ORG 95-47-6	o-Xylene	50		ug/L	1	0.13	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	100%		
D110614CCVA	D110614CCVA	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	100%		
D110614CCVA	D110614CCVA	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	102%		
D110614CCVA	D110614CCVA	ORG 98-82-8	Isopropylbenzene	52		ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	104%		
D110614CCVA	D110614CCVA	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	110%		
D110614CCVA	D110614CCVA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	90%		

Confidential
D110614AKCF

D110614AKCF



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110614CCVA	D110614CCVA	ORG 96-18-4	1,2,3-Trichloropropane	44		ug/L	2	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	88%		
D110614CCVA	D110614CCVA	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	100%		
D110614CCVA	D110614CCVA	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	104%		
D110614CCVA	D110614CCVA	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	100%		
D110614CCVA	D110614CCVA	ORG 135-98-8	sec-Butylbenzene	50		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	100%		
D110614CCVA	D110614CCVA	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	106%		
D110614CCVA	D110614CCVA	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	102%		
D110614CCVA	D110614CCVA	ORG 106-46-7	1,4-Dichlorobenzene	48		ug/L	2	0.33	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	96%		
D110614CCVA	D110614CCVA	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	106%		
D110614CCVA	D110614CCVA	ORG 104-51-8	n-Butylbenzene	50		ug/L	5	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	100%		
D110614CCVA	D110614CCVA	ORG 96-12-8	1,2-Dibromo-3-chloropropane	51		ug/L	5	1.59	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	102%		
D110614CCVA	D110614CCVA	ORG 87-68-3	Hexachlorobutadiene	49		ug/L	5	0.65	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	98%		
D110614CCVA	D110614CCVA	ORG 120-82-1	1,2,4-Trichlorobenzene	46		ug/L	5	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	92%		
D110614CCVA	D110614CCVA	ORG 91-20-3	Naphthalene	47		ug/L	5	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	94%		
D110614CCVA	D110614CCVA	ORG 87-61-6	1,2,3-Trichlorobenzene	50		ug/L	5	0.23	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	100%		
D110614CCVA	D110614CCVA	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	98%		
D110614CCVA	D110614CCVA	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	88%		
D110614CCVA	D110614CCVA	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	94%		
D110614CCVA	D110614CCVA	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5202	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110614MBKA	D110614MBKA	ORG 75-71-8	Dichlorodifluoromethane	U		ug/L	5	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 74-87-3	Chloromethane	U		ug/L	5	0.43	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 75-01-4	Vinyl chloride	U		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 74-83-9	Bromomethane	U		ug/L	5	0.50	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 75-00-3	Chloroethane	U		ug/L	5	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 75-69-4	Trichlorofluoromethane	U		ug/L	5	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 75-35-4	1,1-Dichloroethene	U		ug/L	1	0.47	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 75-09-2	Methylene chloride	U		ug/L	5	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 67-64-1	Acetone	U		ug/L	10	1.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 156-60-5	trans-1,2-Dichloroethene	U		ug/L	1	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 1634-04-4	MTBE	U		ug/L	5	0.61	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 75-34-3	1,1-Dichloroethane	U		ug/L	1	0.53	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 156-59-2	cis-1,2-Dichloroethene	U		ug/L	1	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 74-97-5	Bromochloromethane	U		ug/L	10	0.41	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 67-66-3	Chloroform	U		ug/L	2	0.16	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 71-55-6	1,1,1-Trichloroethane	U		ug/L	1	0.17	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 78-93-3	2-Butanone	U		ug/L	1	0.81	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 56-23-5	Carbon tetrachloride	U		ug/L	1	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 71-43-2	Benzene	U		ug/L	1	0.14	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 107-06-2	1,2-Dichloroethane	U		ug/L	1	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 79-01-6	Trichloroethene	U		ug/L	1	0.36	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 74-95-3	Dibromomethane	U		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 78-87-5	1,2-Dichloropropane	U		ug/L	1	0.18	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 75-27-4	Bromodichloromethane	U		ug/L	2	0.12	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 10061-01-5	cis-1,3-Dichloropropene	U		ug/L	1	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 108-88-3	Toluene	U		ug/L	1	0.21	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 108-10-1	4-Methyl-2-pentanone	U		ug/L	5	0.74	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 10061-02-6	trans-1,3-Dichloropropene	U		ug/L	1	0.31	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 127-18-4	Tetrachloroethene	U		ug/L	1	0.49	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 79-00-5	1,1,2-Trichloroethane	U		ug/L	1	0.34	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 124-48-1	Dibromochloromethane	U		ug/L	5	0.30	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 106-93-4	1,2-Dibromoethane	U		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 591-78-6	2-Hexanone	U		ug/L	2	0.69	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 100-41-4	Ethylbenzene	U		ug/L	1	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 108-90-7	Chlorobenzene	U		ug/L	1	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 630-20-6	1,1,1,2-Tetrachloroethane	U		ug/L	2	0.19	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG XYLMP	p&m-Xylene	U		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 95-47-6	o-Xylene	U		ug/L	1	0.13	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 100-42-2	Styrene	U		ug/L	1	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 75-25-2	Bromoform	U		ug/L	2	0.47	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 98-82-8	Isopropylbenzene	U		ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 103-65-1	n-Propylbenzene	U		ug/L	2	0.27	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 79-34-5	1,1,2,2-Tetrachloroethane	U		ug/L	2	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110614MBKA	D110614MBKA	ORG 96-18-4	1,2,3-Trichloropropane		U	ug/L	2	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 108-67-8	1,3,5-Trimethylbenzene		U	ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 98-06-6	tert-Butylbenzene		U	ug/L	2	0.33	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 95-63-6	1,2,4-Trimethylbenzene		U	ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 135-98-8	sec-Butylbenzene		U	ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 541-73-1	1,3-Dichlorobenzene		U	ug/L	2	0.22	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 99-87-6	p-Isopropyltoluene		U	ug/L	2	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 106-46-7	1,4-Dichlorobenzene		U	ug/L	2	0.33	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 95-50-1	1,2-Dichlorobenzene		U	ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 104-51-8	n-Butylbenzene		U	ug/L	5	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	5	1.59	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 87-68-3	Hexachlorobutadiene		U	ug/L	5	0.65	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 120-82-1	1,2,4-Trichlorobenzene		U	ug/L	5	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 91-20-3	Naphthalene		U	ug/L	5	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	ORG 87-61-6	1,2,3-Trichlorobenzene		U	ug/L	5	0.23	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204				
D110614MBKA	D110614MBKA	STD 1868-53-7	Dibromofluoromethane	47		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204	50	94%		
D110614MBKA	D110614MBKA	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204	50	94%		
D110614MBKA	D110614MBKA	STD 2037-26-5	Toluene d8	50		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204	50	100%		
D110614MBKA	D110614MBKA	STD 460-00-4	Bromofluorobenzene	55		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5204	50	110%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110614ALCS	D110614ALCS	ORG 75-71-8	Dichlorodifluoromethane	49		ug/L	5	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	98%		
D110614ALCS	D110614ALCS	ORG 74-87-3	Chloromethane	38		ug/L	5	0.43	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	76%		
D110614ALCS	D110614ALCS	ORG 75-01-4	Vinyl chloride	44		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	88%		
D110614ALCS	D110614ALCS	ORG 74-83-9	Bromomethane	37		ug/L	5	0.50	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	74%		
D110614ALCS	D110614ALCS	ORG 75-00-3	Chloroethane	29		ug/L	5	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	58%		
D110614ALCS	D110614ALCS	ORG 75-69-4	Trichlorofluoromethane	63		ug/L	5	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	126%		
D110614ALCS	D110614ALCS	ORG 75-35-4	1,1-Dichloroethene	30		ug/L	1	0.47	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	60%		
D110614ALCS	D110614ALCS	ORG 75-09-2	Methylene chloride	44		ug/L	5	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	88%		
D110614ALCS	D110614ALCS	ORG 67-64-1	Acetone	64		ug/L	10	1.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	128%		
D110614ALCS	D110614ALCS	ORG 156-60-5	trans-1,2-Dichloroethene	47		ug/L	1	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	94%		
D110614ALCS	D110614ALCS	ORG 1634-04-4	MTBE	53		ug/L	5	0.61	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	106%		
D110614ALCS	D110614ALCS	ORG 75-34-3	1,1-Dichloroethane	44		ug/L	1	0.53	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	88%		
D110614ALCS	D110614ALCS	ORG 156-59-2	cis-1,2-Dichloroethene	55		ug/L	1	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	110%		
D110614ALCS	D110614ALCS	ORG 74-97-5	Bromochloromethane	51		ug/L	10	0.41	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	102%		
D110614ALCS	D110614ALCS	ORG 67-66-3	Chloroform	45		ug/L	2	0.16	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	90%		
D110614ALCS	D110614ALCS	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	98%		
D110614ALCS	D110614ALCS	ORG 78-93-3	2-Butanone	49		ug/L	1	0.81	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	98%		
D110614ALCS	D110614ALCS	ORG 56-23-5	Carbon tetrachloride	50		ug/L	1	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	100%		
D110614ALCS	D110614ALCS	ORG 71-43-2	Benzene	49		ug/L	1	0.14	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	98%		
D110614ALCS	D110614ALCS	ORG 107-06-2	1,2-Dichloroethane	45		ug/L	1	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	90%		
D110614ALCS	D110614ALCS	ORG 79-01-6	Trichloroethene	49		ug/L	1	0.36	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	98%		
D110614ALCS	D110614ALCS	ORG 74-95-3	Dibromomethane	49		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	98%		
D110614ALCS	D110614ALCS	ORG 78-87-5	1,2-Dichloropropane	48		ug/L	1	0.18	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	96%		
D110614ALCS	D110614ALCS	ORG 75-27-4	Bromodichloromethane	44		ug/L	2	0.12	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	88%		
D110614ALCS	D110614ALCS	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	104%		
D110614ALCS	D110614ALCS	ORG 108-88-3	Toluene	45		ug/L	1	0.21	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	90%		
D110614ALCS	D110614ALCS	ORG 108-10-1	4-Methyl-2-pentanone	54		ug/L	5	0.74	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	108%		
D110614ALCS	D110614ALCS	ORG 10061-02-6	trans-1,3-Dichloropropene	54		ug/L	1	0.31	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	108%		
D110614ALCS	D110614ALCS	ORG 127-18-4	Tetrachloroethene	49		ug/L	1	0.49	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	98%		
D110614ALCS	D110614ALCS	ORG 79-00-5	1,1,2-Trichloroethane	44		ug/L	1	0.34	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	88%		
D110614ALCS	D110614ALCS	ORG 124-48-1	Dibromochloromethane	51		ug/L	5	0.30	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	102%		
D110614ALCS	D110614ALCS	ORG 106-93-4	1,2-Dibromoethane	52		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	104%		
D110614ALCS	D110614ALCS	ORG 591-78-6	2-Hexanone	52		ug/L	2	0.69	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	104%		
D110614ALCS	D110614ALCS	ORG 100-41-4	Ethylbenzene	53		ug/L	1	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	106%		
D110614ALCS	D110614ALCS	ORG 108-90-7	Chlorobenzene	48		ug/L	1	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	96%		
D110614ALCS	D110614ALCS	ORG 630-20-6	1,1,1,2-Tetrachloroethane	51		ug/L	2	0.19	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	102%		
D110614ALCS	D110614ALCS	ORG XYLMP	p&m-Xylene	110		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	100	110%		
D110614ALCS	D110614ALCS	ORG 95-47-6	o-Xylene	51		ug/L	1	0.13	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	102%		
D110614ALCS	D110614ALCS	ORG 100-42-5	Styrene	50		ug/L	1	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	100%		
D110614ALCS	D110614ALCS	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	102%		
D110614ALCS	D110614ALCS	ORG 98-82-8	Isopropylbenzene	53		ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	106%		
D110614ALCS	D110614ALCS	ORG 103-65-1	n-Propylbenzene	55		ug/L	2	0.27	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	110%		
D110614ALCS	D110614ALCS	ORG 79-34-5	1,1,2,2-Tetrachloroethane	45		ug/L	2	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	90%		



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
 Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110614ALCS	D110614ALCS	ORG 96-18-4	1,2,3-Trichloropropane	43		ug/L	2	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	86%		
D110614ALCS	D110614ALCS	ORG 108-67-8	1,3,5-Trimethylbenzene	50		ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	100%		
D110614ALCS	D110614ALCS	ORG 98-06-6	tert-Butylbenzene	52		ug/L	2	0.33	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	104%		
D110614ALCS	D110614ALCS	ORG 95-63-6	1,2,4-Trimethylbenzene	50		ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	100%		
D110614ALCS	D110614ALCS	ORG 135-98-8	sec-Butylbenzene	51		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	102%		
D110614ALCS	D110614ALCS	ORG 541-73-1	1,3-Dichlorobenzene	53		ug/L	2	0.22	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	106%		
D110614ALCS	D110614ALCS	ORG 99-87-6	p-Isopropyltoluene	51		ug/L	2	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	102%		
D110614ALCS	D110614ALCS	ORG 106-46-7	1,4-Dichlorobenzene	49		ug/L	2	0.33	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	98%		
D110614ALCS	D110614ALCS	ORG 95-50-1	1,2-Dichlorobenzene	53		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	106%		
D110614ALCS	D110614ALCS	ORG 104-51-8	n-Butylbenzene	50		ug/L	5	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	100%		
D110614ALCS	D110614ALCS	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	106%		
D110614ALCS	D110614ALCS	ORG 87-68-3	Hexachlorobutadiene	48		ug/L	5	0.65	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	96%		
D110614ALCS	D110614ALCS	ORG 120-82-1	1,2,4-Trichlorobenzene	47		ug/L	5	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	94%		
D110614ALCS	D110614ALCS	ORG 91-20-3	Naphthalene	50		ug/L	5	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	100%		
D110614ALCS	D110614ALCS	ORG 87-61-6	1,2,3-Trichlorobenzene	51		ug/L	5	0.23	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	102%		
D110614ALCS	D110614ALCS	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	98%		
D110614ALCS	D110614ALCS	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	88%		
D110614ALCS	D110614ALCS	STD 2037-26-5	Toluene d8	46		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	92%		
D110614ALCS	D110614ALCS	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5203	50	104%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110614ALCD	D110614ALCD	ORG 75-71-8	Dichlorodifluoromethane	55		ug/L	5	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	110%	12%	
D110614ALCD	D110614ALCD	ORG 74-87-3	Chloromethane	40		ug/L	5	0.43	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	80%	5%	
D110614ALCD	D110614ALCD	ORG 75-01-4	Vinyl chloride	50		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	100%	13%	
D110614ALCD	D110614ALCD	ORG 74-83-9	Bromomethane	46		ug/L	5	0.50	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	92%	22%	
D110614ALCD	D110614ALCD	ORG 75-00-3	Chloroethane	33		ug/L	5	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	66%	13%	
D110614ALCD	D110614ALCD	ORG 75-69-4	Trichlorofluoromethane	270		ug/L	5	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	540%	124%	
D110614ALCD	D110614ALCD	ORG 75-35-4	1,1-Dichloroethene	34		ug/L	1	0.47	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	68%	13%	
D110614ALCD	D110614ALCD	ORG 75-09-2	Methylene chloride	46		ug/L	5	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	92%	4%	
D110614ALCD	D110614ALCD	ORG 67-64-1	Acetone	58		ug/L	10	1.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	116%	10%	
D110614ALCD	D110614ALCD	ORG 156-60-5	trans-1,2-Dichloroethene	49		ug/L	1	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	98%	4%	
D110614ALCD	D110614ALCD	ORG 1634-04-4	MTBE	54		ug/L	5	0.61	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	108%	2%	
D110614ALCD	D110614ALCD	ORG 75-34-3	1,1-Dichloroethane	45		ug/L	1	0.53	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	90%	2%	
D110614ALCD	D110614ALCD	ORG 156-59-2	cis-1,2-Dichloroethene	55		ug/L	1	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	110%	0%	
D110614ALCD	D110614ALCD	ORG 74-97-5	Bromochloromethane	54		ug/L	10	0.41	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	108%	6%	
D110614ALCD	D110614ALCD	ORG 67-66-3	Chloroform	47		ug/L	2	0.16	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	94%	4%	
D110614ALCD	D110614ALCD	ORG 71-55-6	1,1,1-Trichloroethane	49		ug/L	1	0.17	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	98%	0%	
D110614ALCD	D110614ALCD	ORG 78-93-3	2-Butanone	58		ug/L	1	0.81	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	116%	17%	
D110614ALCD	D110614ALCD	ORG 56-23-5	Carbon tetrachloride	52		ug/L	1	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	104%	4%	
D110614ALCD	D110614ALCD	ORG 71-43-2	Benzene	51		ug/L	1	0.14	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	102%	4%	
D110614ALCD	D110614ALCD	ORG 107-06-2	1,2-Dichloroethane	47		ug/L	1	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	94%	4%	
D110614ALCD	D110614ALCD	ORG 79-01-6	Trichloroethene	50		ug/L	1	0.36	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	100%	2%	
D110614ALCD	D110614ALCD	ORG 74-95-3	Dibromomethane	52		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	104%	6%	
D110614ALCD	D110614ALCD	ORG 78-87-5	1,2-Dichloropropane	50		ug/L	1	0.18	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	100%	4%	
D110614ALCD	D110614ALCD	ORG 75-27-4	Bromodichloromethane	46		ug/L	2	0.12	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	92%	4%	
D110614ALCD	D110614ALCD	ORG 10061-01-5	cis-1,3-Dichloropropene	52		ug/L	1	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	104%	0%	
D110614ALCD	D110614ALCD	ORG 108-88-3	Toluene	47		ug/L	1	0.21	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	94%	4%	
D110614ALCD	D110614ALCD	ORG 108-10-1	4-Methyl-2-pentanone	56		ug/L	5	0.74	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	112%	4%	
D110614ALCD	D110614ALCD	ORG 10061-02-6	trans-1,3-Dichloropropene	55		ug/L	1	0.31	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	110%	2%	
D110614ALCD	D110614ALCD	ORG 127-18-4	Tetrachloroethene	48		ug/L	1	0.49	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	96%	2%	
D110614ALCD	D110614ALCD	ORG 79-00-5	1,1,2-Trichloroethane	47		ug/L	1	0.34	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	94%	7%	
D110614ALCD	D110614ALCD	ORG 124-48-1	Dibromochloromethane	50		ug/L	5	0.30	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	100%	2%	
D110614ALCD	D110614ALCD	ORG 106-93-4	1,2-Dibromoethane	53		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	106%	2%	
D110614ALCD	D110614ALCD	ORG 591-78-6	2-Hexanone	52		ug/L	2	0.69	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	104%	0%	
D110614ALCD	D110614ALCD	ORG 100-41-4	Ethylbenzene	57		ug/L	1	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	114%	7%	
D110614ALCD	D110614ALCD	ORG 108-90-7	Chlorobenzene	50		ug/L	1	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	100%	4%	
D110614ALCD	D110614ALCD	ORG 630-20-6	1,1,1,2-Tetrachloroethane	53		ug/L	2	0.19	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	106%	4%	
D110614ALCD	D110614ALCD	ORG XYLMP	p&m-Xylene	120		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	100	120%	9%	
D110614ALCD	D110614ALCD	ORG 95-47-6	o-Xylene	53		ug/L	1	0.13	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	106%	4%	
D110614ALCD	D110614ALCD	ORG 100-42-5	Styrene	52		ug/L	1	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	104%	4%	
D110614ALCD	D110614ALCD	ORG 75-25-2	Bromoform	51		ug/L	2	0.47	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	102%	0%	
D110614ALCD	D110614ALCD	ORG 98-82-8	Isopropylbenzene	55		ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	110%	4%	
D110614ALCD	D110614ALCD	ORG 103-65-1	n-Propylbenzene	58		ug/L	2	0.27	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	116%	5%	
D110614ALCD	D110614ALCD	ORG 79-34-5	1,1,2,2-Tetrachloroethane	49		ug/L	2	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	98%	9%	

Confidential
D110614AKCF

D110614AKCF



New Age/Landmark
Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
D110614ALCD	D110614ALCD	ORG 96-18-4	1,2,3-Trichloropropane	48		ug/L	2	0.29	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	96%	11%	
D110614ALCD	D110614ALCD	ORG 108-67-8	1,3,5-Trimethylbenzene	52		ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	104%	4%	
D110614ALCD	D110614ALCD	ORG 98-06-6	tert-Butylbenzene	54		ug/L	2	0.33	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	108%	4%	
D110614ALCD	D110614ALCD	ORG 95-63-6	1,2,4-Trimethylbenzene	53		ug/L	2	0.20	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	106%	6%	
D110614ALCD	D110614ALCD	ORG 135-98-8	sec-Butylbenzene	54		ug/L	2	0.32	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	108%	6%	
D110614ALCD	D110614ALCD	ORG 541-73-1	1,3-Dichlorobenzene	56		ug/L	2	0.22	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	112%	6%	
D110614ALCD	D110614ALCD	ORG 99-87-6	p-Isopropyltoluene	53		ug/L	2	0.25	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	106%	4%	
D110614ALCD	D110614ALCD	ORG 106-46-7	1,4-Dichlorobenzene	50		ug/L	2	0.33	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	100%	2%	
D110614ALCD	D110614ALCD	ORG 95-50-1	1,2-Dichlorobenzene	56		ug/L	2	0.26	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	112%	6%	
D110614ALCD	D110614ALCD	ORG 104-51-8	n-Butylbenzene	52		ug/L	5	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	104%	4%	
D110614ALCD	D110614ALCD	ORG 96-12-8	1,2-Dibromo-3-chloropropane	53		ug/L	5	1.59	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	106%	0%	
D110614ALCD	D110614ALCD	ORG 87-68-3	Hexachlorobutadiene	50		ug/L	5	0.65	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	100%	4%	
D110614ALCD	D110614ALCD	ORG 120-82-1	1,2,4-Trichlorobenzene	47		ug/L	5	0.28	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	94%	0%	
D110614ALCD	D110614ALCD	ORG 91-20-3	Naphthalene	50		ug/L	5	0.56	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	100%	0%	
D110614ALCD	D110614ALCD	ORG 87-61-6	1,2,3-Trichlorobenzene	53		ug/L	5	0.23	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	106%	4%	
D110614ALCD	D110614ALCD	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	98%	0%	
D110614ALCD	D110614ALCD	STD 17060-07-0	1,2-Dichloroethane d4	47		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	94%	7%	
D110614ALCD	D110614ALCD	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	94%	2%	
D110614ALCD	D110614ALCD	STD 460-00-4	Bromofluorobenzene	52		ug/L	1	0.10	NA	11/6/2014	11/6/2014	WQ	1	NA	5.0	NA	SW8260B	NALD5207	50	104%	0%	



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1736MS	T1-059	ORG 75-71-8	Dichlorodifluoromethane	2600		ug/L	250	14.64	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	104%		
NAL13026-1736MS	T1-059	ORG 74-87-3	Chloromethane	2000		ug/L	250	21.54	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	80%		
NAL13026-1736MS	T1-059	ORG 75-01-4	Vinyl chloride	2300		ug/L	100	15.93	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	92%		
NAL13026-1736MS	T1-059	ORG 74-83-9	Bromomethane	1500		ug/L	250	25.02	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	60%		
NAL13026-1736MS	T1-059	ORG 75-00-3	Chloroethane	1600		ug/L	250	27.80	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	64%		
NAL13026-1736MS	T1-059	ORG 75-69-4	Trichlorofluoromethane	2900		ug/L	250	9.83	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	116%		
NAL13026-1736MS	T1-059	ORG 75-35-4	1,1-Dichloroethene	1500		ug/L	50	23.55	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	60%		
NAL13026-1736MS	T1-059	ORG 75-09-2	Methylene chloride	2100		ug/L	250	13.23	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	84%		
NAL13026-1736MS	T1-059	ORG 67-64-1	Acetone	79000		ug/L	500	77.80	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	120%		76000
NAL13026-1736MS	T1-059	ORG 156-60-5	trans-1,2-Dichloroethene	2400		ug/L	50	27.80	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	96%		
NAL13026-1736MS	T1-059	ORG 1634-04-4	MTBE	2600		ug/L	250	30.59	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	104%		
NAL13026-1736MS	T1-059	ORG 75-34-3	1,1-Dichloroethane	2200		ug/L	50	26.33	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	88%		
NAL13026-1736MS	T1-059	ORG 156-59-2	cis-1,2-Dichloroethene	2800		ug/L	50	16.06	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	112%		
NAL13026-1736MS	T1-059	ORG 74-97-5	Bromochloromethane	2400		ug/L	500	20.68	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	96%		
NAL13026-1736MS	T1-059	ORG 67-66-3	Chloroform	2200		ug/L	100	7.86	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	88%		
NAL13026-1736MS	T1-059	ORG 71-55-6	1,1,1-Trichloroethane	2400		ug/L	50	8.33	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	96%		
NAL13026-1736MS	T1-059	ORG 78-93-3	2-Butanone	18000		ug/L	50	40.59	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	240%		12000
NAL13026-1736MS	T1-059	ORG 56-23-5	Carbon tetrachloride	2500		ug/L	50	13.82	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	100%		
NAL13026-1736MS	T1-059	ORG 71-43-2	Benzene	2400		ug/L	50	6.76	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	96%		
NAL13026-1736MS	T1-059	ORG 107-06-2	1,2-Dichloroethane	2200		ug/L	50	10.00	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	88%		
NAL13026-1736MS	T1-059	ORG 79-01-6	Trichloroethene	2500		ug/L	50	18.17	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	100%		
NAL13026-1736MS	T1-059	ORG 74-95-3	Dibromomethane	2500		ug/L	100	16.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	100%		
NAL13026-1736MS	T1-059	ORG 78-87-5	1,2-Dichloropropane	2500		ug/L	50	9.08	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	100%		
NAL13026-1736MS	T1-059	ORG 75-27-4	Bromodichloromethane	2300		ug/L	100	5.79	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	92%		
NAL13026-1736MS	T1-059	ORG 10061-01-5	cis-1,3-Dichloropropene	2700		ug/L	50	12.50	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	108%		
NAL13026-1736MS	T1-059	ORG 108-88-3	Toluene	2300		ug/L	50	10.48	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	92%		
NAL13026-1736MS	T1-059	ORG 108-10-1	4-Methyl-2-pentanone	2900		ug/L	250	37.00	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	108%		200
NAL13026-1736MS	T1-059	ORG 10061-02-6	trans-1,3-Dichloropropene	2800		ug/L	50	15.57	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	112%		
NAL13026-1736MS	T1-059	ORG 127-18-4	Tetrachloroethene	2500		ug/L	50	24.28	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	100%		
NAL13026-1736MS	T1-059	ORG 79-00-5	1,1,2-Trichloroethane	2200		ug/L	50	17.14	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	88%		
NAL13026-1736MS	T1-059	ORG 124-48-1	Dibromochloromethane	2500		ug/L	250	14.95	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	100%		
NAL13026-1736MS	T1-059	ORG 106-93-4	1,2-Dibromoethane	2600		ug/L	100	13.24	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	104%		
NAL13026-1736MS	T1-059	ORG 591-78-6	2-Hexanone	1900		ug/L	100	34.45	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	71%		130
NAL13026-1736MS	T1-059	ORG 100-41-4	Ethylbenzene	2700		ug/L	100	12.69	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	108%		
NAL13026-1736MS	T1-059	ORG 108-90-7	Chlorobenzene	2400		ug/L	50	13.76	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	96%		
NAL13026-1736MS	T1-059	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2500		ug/L	100	9.64	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	100%		
NAL13026-1736MS	T1-059	ORG XYLMP	p&m-Xylene	5500		ug/L	100	13.07	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	5000	110%		
NAL13026-1736MS	T1-059	ORG 95-47-6	o-Xylene	2600		ug/L	50	6.45	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	104%		
NAL13026-1736MS	T1-059	ORG 100-42-5	Styrene	2600		ug/L	50	10.12	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	104%		
NAL13026-1736MS	T1-059	ORG 75-25-2	Bromoform	2600		ug/L	100	23.41	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	104%		
NAL13026-1736MS	T1-059	ORG 98-82-8	Isopropylbenzene	2700		ug/L	100	10.24	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	108%		
NAL13026-1736MS	T1-059	ORG 103-65-1	n-Propylbenzene	2800		ug/L	100	13.50	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	112%		
NAL13026-1736MS	T1-059	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2300		ug/L	100	14.58	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	92%		

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1736MS	T1-059	ORG 96-18-4	1,2,3-Trichloropropane	2200		ug/L	100	14.73	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	88%		
NAL13026-1736MS	T1-059	ORG 108-67-8	1,3,5-Trimethylbenzene	2500		ug/L	100	10.01	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	99%		30
NAL13026-1736MS	T1-059	ORG 98-06-6	tert-Butylbenzene	2700		ug/L	100	16.30	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	108%		
NAL13026-1736MS	T1-059	ORG 95-63-6	1,2,4-Trimethylbenzene	2600		ug/L	100	10.01	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	102%		52
NAL13026-1736MS	T1-059	ORG 135-98-8	sec-Butylbenzene	2600		ug/L	100	16.17	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	104%		
NAL13026-1736MS	T1-059	ORG 541-73-1	1,3-Dichlorobenzene	2700		ug/L	100	11.11	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	108%		
NAL13026-1736MS	T1-059	ORG 99-87-6	p-Isopropyltoluene	2800		ug/L	100	12.74	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	102%		260
NAL13026-1736MS	T1-059	ORG 106-46-7	1,4-Dichlorobenzene	2600		ug/L	100	16.52	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	100%		100
NAL13026-1736MS	T1-059	ORG 95-50-1	1,2-Dichlorobenzene	2700		ug/L	100	13.19	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	108%		
NAL13026-1736MS	T1-059	ORG 104-51-8	n-Butylbenzene	2600		ug/L	250	13.90	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	103%		25
NAL13026-1736MS	T1-059	ORG 96-12-8	1,2-Dibromo-3-chloropropane	3000		ug/L	250	79.56	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	120%		
NAL13026-1736MS	T1-059	ORG 87-68-3	Hexachlorobutadiene	2500		ug/L	250	32.71	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	100%		
NAL13026-1736MS	T1-059	ORG 120-82-1	1,2,4-Trichlorobenzene	2600		ug/L	250	13.81	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	104%		
NAL13026-1736MS	T1-059	ORG 91-20-3	Naphthalene	3400		ug/L	250	28.02	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	118%		460
NAL13026-1736MS	T1-059	ORG 87-61-6	1,2,3-Trichlorobenzene	2700		ug/L	250	11.64	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	2500	108%		
NAL13026-1736MS	T1-059	STD 1868-53-7	Dibromofluoromethane	48		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	50	96%		
NAL13026-1736MS	T1-059	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	50	88%		
NAL13026-1736MS	T1-059	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	50	94%		
NAL13026-1736MS	T1-059	STD 460-00-4	Bromofluorobenzene	53		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5208	50	106%		



New Age/Landmark Mobile Laboratory Services

160 Veterans Blvd. • South Haven, Michigan 49090
Tel: 888-685-1628 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Brian Power

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

B = Analyte is found in the associated blank as well as in the sample.

D = Compound identified in an analysis at a secondary dilution factor.

E = Compound's concentration exceeds the calibration range of the instrument at this dilution.

X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.

J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.

M = Matrix assessment, QC analyses parameter exceeded control limits.

U = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1736MSD	T1-059	ORG 75-71-8	Dichlorodifluoromethane	2500		ug/L	250	14.64	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	4%	
NAL13026-1736MSD	T1-059	ORG 74-87-3	Chloromethane	2000		ug/L	250	21.54	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	80%	0%	
NAL13026-1736MSD	T1-059	ORG 75-01-4	Vinyl chloride	2200		ug/L	100	15.93	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	88%	4%	
NAL13026-1736MSD	T1-059	ORG 74-83-9	Bromomethane	1400		ug/L	250	25.02	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	56%	7%	
NAL13026-1736MSD	T1-059	ORG 75-00-3	Chloroethane	1500		ug/L	250	27.80	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	60%	6%	
NAL13026-1736MSD	T1-059	ORG 75-69-4	Trichlorofluoromethane	3300		ug/L	250	9.83	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	132%	13%	
NAL13026-1736MSD	T1-059	ORG 75-35-4	1,1-Dichloroethene	3100		ug/L	50	23.55	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	124%	70%	
NAL13026-1736MSD	T1-059	ORG 75-09-2	Methylene chloride	2200		ug/L	250	13.23	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	88%	5%	
NAL13026-1736MSD	T1-059	ORG 67-64-1	Acetone	80000		ug/L	500	77.80	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	160%	1%	76000
NAL13026-1736MSD	T1-059	ORG 156-60-5	trans-1,2-Dichloroethene	2400		ug/L	50	27.80	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	96%	0%	
NAL13026-1736MSD	T1-059	ORG 1634-04-4	MTBE	2700		ug/L	250	30.59	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	108%	4%	
NAL13026-1736MSD	T1-059	ORG 75-34-3	1,1-Dichloroethane	2200		ug/L	50	26.33	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	88%	0%	
NAL13026-1736MSD	T1-059	ORG 156-59-2	cis-1,2-Dichloroethene	2800		ug/L	50	16.06	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	112%	0%	
NAL13026-1736MSD	T1-059	ORG 74-97-5	Bromochloromethane	2500		ug/L	500	20.68	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	4%	
NAL13026-1736MSD	T1-059	ORG 67-66-3	Chloroform	2200		ug/L	100	7.86	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	88%	0%	
NAL13026-1736MSD	T1-059	ORG 71-55-6	1,1,1-Trichloroethane	2400		ug/L	50	8.33	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	96%	0%	
NAL13026-1736MSD	T1-059	ORG 78-93-3	2-Butanone	18000		ug/L	50	40.59	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	240%	0%	12000
NAL13026-1736MSD	T1-059	ORG 56-23-5	Carbon tetrachloride	2500		ug/L	50	13.82	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	0%	
NAL13026-1736MSD	T1-059	ORG 71-43-2	Benzene	2500		ug/L	50	6.76	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	4%	
NAL13026-1736MSD	T1-059	ORG 107-06-2	1,2-Dichloroethane	2200		ug/L	50	10.00	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	88%	0%	
NAL13026-1736MSD	T1-059	ORG 79-01-6	Trichloroethene	2500		ug/L	50	18.17	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	0%	
NAL13026-1736MSD	T1-059	ORG 74-95-3	Dibromomethane	2500		ug/L	100	16.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	0%	
NAL13026-1736MSD	T1-059	ORG 78-87-5	1,2-Dichloropropane	2500		ug/L	50	9.08	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	0%	
NAL13026-1736MSD	T1-059	ORG 75-27-4	Bromodichloromethane	2300		ug/L	100	5.79	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	92%	0%	
NAL13026-1736MSD	T1-059	ORG 10061-01-5	cis-1,3-Dichloropropene	2700		ug/L	50	12.50	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	108%	0%	
NAL13026-1736MSD	T1-059	ORG 108-88-3	Toluene	2300		ug/L	50	10.48	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	92%	0%	
NAL13026-1736MSD	T1-059	ORG 108-10-1	4-Methyl-2-pentanone	2700		ug/L	250	37.00	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	7%	200
NAL13026-1736MSD	T1-059	ORG 10061-02-6	trans-1,3-Dichloropropene	2800		ug/L	50	15.57	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	112%	0%	
NAL13026-1736MSD	T1-059	ORG 127-18-4	Tetrachloroethene	2500		ug/L	50	24.28	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	0%	
NAL13026-1736MSD	T1-059	ORG 79-00-5	1,1,2-Trichloroethane	2300		ug/L	50	17.14	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	92%	4%	
NAL13026-1736MSD	T1-059	ORG 124-48-1	Dibromochloromethane	2500		ug/L	250	14.95	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	0%	
NAL13026-1736MSD	T1-059	ORG 106-93-4	1,2-Dibromoethane	2700		ug/L	100	13.24	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	108%	4%	
NAL13026-1736MSD	T1-059	ORG 591-78-6	2-Hexanone	1600		ug/L	100	34.45	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	59%	17%	130
NAL13026-1736MSD	T1-059	ORG 100-41-4	Ethylbenzene	2700		ug/L	50	12.69	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	108%	0%	
NAL13026-1736MSD	T1-059	ORG 108-90-7	Chlorobenzene	2400		ug/L	50	13.76	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	96%	0%	
NAL13026-1736MSD	T1-059	ORG 630-20-6	1,1,1,2-Tetrachloroethane	2600		ug/L	100	9.64	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	104%	4%	
NAL13026-1736MSD	T1-059	ORG XYLMP	p&m-Xylene	5500		ug/L	100	13.07	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	5000	110%	0%	
NAL13026-1736MSD	T1-059	ORG 95-47-6	o-Xylene	2600		ug/L	50	6.45	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	104%	0%	
NAL13026-1736MSD	T1-059	ORG 100-42-5	Styrene	2600		ug/L	50	10.12	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	104%	0%	
NAL13026-1736MSD	T1-059	ORG 75-25-2	Bromoform	2600		ug/L	100	23.41	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	104%	0%	
NAL13026-1736MSD	T1-059	ORG 98-82-8	Isopropylbenzene	2700		ug/L	100	10.24	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	108%	0%	
NAL13026-1736MSD	T1-059	ORG 103-65-1	n-Propylbenzene	2800		ug/L	100	13.50	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	112%	0%	
NAL13026-1736MSD	T1-059	ORG 79-34-5	1,1,2,2-Tetrachloroethane	2300		ug/L	100	14.58	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	92%	0%	

Confidential
D110614AKCF

FINAL ANALYTICAL REPORT

Republic Services
 12976 St. Charles Rock Rd.
 Bridgeton, MO 63044
 ATTN: Brian Power

Project #: NAL13-026
 Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.

- B** = Analyte is found in the associated blank as well as in the sample.
- D** = Compound identified in an analysis at a secondary dilution factor.
- E** = Compound's concentration exceeds the calibration range of the instrument at this dilution.
- X** = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation.
- J** = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
- M** = Matrix assessment, QC analyses parameter exceeded control limits.
- U** = Non-detect

Lab ID:	Sample ID:	CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-1736MSD	T1-059	ORG 96-18-4	1,2,3-Trichloropropane	2300		ug/L	100	14.73	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	92%	4%	
NAL13026-1736MSD	T1-059	ORG 108-67-8	1,3,5-Trimethylbenzene	2500		ug/L	100	10.01	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	99%	0%	30
NAL13026-1736MSD	T1-059	ORG 98-06-6	tert-Butylbenzene	2600		ug/L	100	16.30	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	104%	4%	
NAL13026-1736MSD	T1-059	ORG 95-63-6	1,2,4-Trimethylbenzene	2600		ug/L	100	10.01	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	102%	0%	52
NAL13026-1736MSD	T1-059	ORG 135-98-8	sec-Butylbenzene	2600		ug/L	100	16.17	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	104%	0%	
NAL13026-1736MSD	T1-059	ORG 541-73-1	1,3-Dichlorobenzene	2700		ug/L	100	11.11	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	108%	0%	
NAL13026-1736MSD	T1-059	ORG 99-87-6	p-Isopropyltoluene	2800		ug/L	100	12.74	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	102%	0%	260
NAL13026-1736MSD	T1-059	ORG 106-46-7	1,4-Dichlorobenzene	2600		ug/L	100	16.52	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	0%	100
NAL13026-1736MSD	T1-059	ORG 95-50-1	1,2-Dichlorobenzene	2700		ug/L	100	13.19	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	108%	0%	
NAL13026-1736MSD	T1-059	ORG 104-51-8	n-Butylbenzene	2500		ug/L	250	13.90	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	99%	4%	25
NAL13026-1736MSD	T1-059	ORG 96-12-8	1,2-Dibromo-3-chloropropane	3000		ug/L	250	79.56	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	120%	0%	
NAL13026-1736MSD	T1-059	ORG 87-68-3	Hexachlorobutadiene	2500		ug/L	250	32.71	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	100%	0%	
NAL13026-1736MSD	T1-059	ORG 120-82-1	1,2,4-Trichlorobenzene	2600		ug/L	250	13.81	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	104%	0%	
NAL13026-1736MSD	T1-059	ORG 91-20-3	Naphthalene	3400		ug/L	250	28.02	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	118%	0%	460
NAL13026-1736MSD	T1-059	ORG 87-61-6	1,2,3-Trichlorobenzene	2700		ug/L	250	11.64	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	2500	108%	0%	
NAL13026-1736MSD	T1-059	STD 1868-53-7	Dibromofluoromethane	49		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	50	98%	2%	
NAL13026-1736MSD	T1-059	STD 17060-07-0	1,2-Dichloroethane d4	44		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	50	88%	0%	
NAL13026-1736MSD	T1-059	STD 2037-26-5	Toluene d8	47		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	50	94%	0%	
NAL13026-1736MSD	T1-059	STD 460-00-4	Bromofluorobenzene	54		ug/L	1	0.10	11/6/2014	11/6/2014	11/6/2014	WG	50	NA	5.0	NA	SW8260B	NALD5209	50	108%	2%	