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: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-01**
Sample Description: **Untreated Commingled TCLP Voa 4**

Collect Date: **05/01/13 23:55**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics- TCLP - STL					
1,1-Dichloroethene	< 200 ug/L		05/07/13 22:02	BP	SW 8260B*
1,2-Dichloroethane	< 200 ug/L		05/07/13 22:02	BP	SW 8260B*
1,4-Dichlorobenzene	< 200 ug/L		05/07/13 22:02	BP	SW 8260B*
2-Butanone	1100 ug/L	Q1	05/07/13 22:02	BP	SW 8260B*
Benzene	< 200 ug/L		05/07/13 22:02	BP	SW 8260B*
Carbon tetrachloride	< 200 ug/L		05/07/13 22:02	BP	SW 8260B*
Chlorobenzene	< 200 ug/L		05/07/13 22:02	BP	SW 8260B*
Chloroform	< 200 ug/L		05/07/13 22:02	BP	SW 8260B*
Tetrachloroethene	< 200 ug/L		05/07/13 22:02	BP	SW 8260B*
Trichloroethene	< 200 ug/L		05/07/13 22:02	BP	SW 8260B*
Vinyl chloride	< 200 ug/L		05/07/13 22:02	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	*106 % 59.4-135*		*05/07/13 22:02*	*BP*	*SW 8260B*
Surrogate: Toluene-d8	*100 % 77.7-111*		*05/07/13 22:02*	*BP*	*SW 8260B*
Surrogate: Bromofluorobenzene	*93 % 74-125*		*05/07/13 22:02*	*BP*	*SW 8260B*

Sample No: **3050403-02**
Sample Description: **Untreated Commingled TOC 4**

Collect Date: **05/02/13 00:20**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - PIA						
Total Organic Carbon (TOC)	16000 mg/L		05/09/13 17:52	lgtas	5310C	KS,IL,IA,WI, AR

Sample No: **3050403-03**
Sample Description: **Untreated Commingled Solids 4**

Collect Date: **05/02/13 00:30**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
Solids - total solids (TS)	4.0 %		05/03/13 12:30	ACV	SM 2540G 18Ed*

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Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-04**
Sample Description: **Untreated Commingled Voa/Svoc 13**

Collect Date: **05/02/13 00:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
1,2-Dichlorobenzene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
1,3-Dichlorobenzene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
1,4-Dichlorobenzene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2,4,5-Trichlorophenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2,4,6-Trichlorophenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2,4-Dichlorophenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2,4-Dimethylphenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2,4-Dinitrophenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2,4-Dinitrotoluene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2,6-Dimethylaniline	< 200 ug/L		05/09/13 10:23	jk	SW 8270C*	
2,6-Dinitrotoluene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2-Chloronaphthalene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2-Chlorophenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2-Methylnaphthalene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2-Methylphenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2-Nitroaniline	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
2-Nitrophenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
3- & 4-Methylphenol	1920 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
3-Nitroaniline	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
4-Bromophenylphenyl ether	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
4-Chloro-3-methylphenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
4-Chloroaniline	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
4-Nitroaniline	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
4-Nitrophenol	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Acenaphthene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Acenaphthylene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Aniline	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Anthracene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Azobenzene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C*	

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Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-04**
Sample Description: **Untreated Commingled Voa/Svoc 13**

Collect Date: **05/02/13 00:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Benzidine	< 400 ug/L		05/09/13 10:23	jk	SW 8270C*	
Benzo(a)anthracene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Benzo(a)pyrene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Benzo(b&k)fluoranthene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Benzo(b)fluoranthene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Benzo(g,h,i)perylene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Benzo(k)fluoranthene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Benzoic Acid	2330 ug/L		05/09/13 10:23	jk	SW 8270C*	
Benzyl alcohol	1170 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Bis(2-chloroethyl) ether	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L		05/09/13 10:23	jk	SW 8270C*	
Bis(2-ethylhexyl) phthalate	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Butyl benzyl phthalate	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Carbazole	< 400 ug/L		05/09/13 10:23	jk	SW 8270C*	
Chrysene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Dibenzo(a,h)anthracene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Dibenzofuran	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Diethyl phthalate	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Dimethyl phthalate	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Di-n-butyl phthalate	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Di-n-octyl phthalate	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Diphenylamine	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Fluoranthene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Fluorene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Hexachlorobenzene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Hexachlorobutadiene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Hexachlorocyclopentadiene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Hexachloroethane	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Indeno(1,2,3-cd)pyrene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Isophorone	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Naphthalene	< 400 ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Nitrobenzene	517 ug/L		05/09/13 10:23	jk	SW 8270C	04KS

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Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-04**
Sample Description: **Untreated Commingled Voa/Svoc 13**

Collect Date: **05/02/13 00:45**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
N-Nitrosodimethylamine	< 400	ug/L		05/09/13 10:23	jk	SW 8270C	04KS
N-Nitrosodi-n-propylamine	< 400	ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Pentachlorophenol	< 400	ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Phenanthrene	< 400	ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Phenol	4160	ug/L	Xc	05/09/13 10:23	jk	SW 8270C	04KS
Pyrene	< 400	ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Pyridine	< 400	ug/L		05/09/13 10:23	jk	SW 8270C	04KS
Surrogate: 2-Fluorophenol	*57 %*	*10-35*	*S*	*05/09/13 10:23*	*jk*	*SW 8270C*	
Surrogate: Phenol- d5	*30 %*	*10-26*	*S*	*05/09/13 10:23*	*jk*	*SW 8270C*	
Surrogate: Nitrobenzene-d5	*62 %*	*22-105*	*S*	*05/09/13 10:23*	*jk*	*SW 8270C*	
Surrogate: 2-Fluorobiphenyl	*27 %*	*30-97*	*S*	*05/09/13 10:23*	*jk*	*SW 8270C*	
Surrogate: 2,4,6-Tribromophenol	*17 %*	*10-93*	*S*	*05/09/13 10:23*	*jk*	*SW 8270C*	
Surrogate: p-Terphenyl-d14	*25 %*	*22-115*	*S*	*05/09/13 10:23*	*jk*	*SW 8270C*	
Volatile Organics - STL							
1,1,1,2-Tetrachloroethane	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100	ug/L		05/07/13 06:11	BP	SW 8260B*	
1,1,2-Trichloroethane	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,1-Dichloroethane	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,1-Dichloroethene	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,1-Dichloropropene	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,2,3-Trichlorobenzene	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 100	ug/L		05/07/13 06:11	BP	SW 8260B*	
1,2-Dibromoethane	< 100	ug/L		05/07/13 06:11	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 200	ug/L		05/07/13 06:11	BP	SW 8260B*	
1,2-Dichlorobenzene	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,2-Dichloroethane	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,2-Dichloropropane	< 100	ug/L		05/07/13 06:11	BP	SW 8260B	04KS

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PO#: 3496416

Laboratory Results

Sample No: **3050403-04**
Sample Description: **Untreated Commingled Voa/Svoc 13**

Collect Date: **05/02/13 00:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,3,5-Trimethylbenzene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,3-Dichloropropane	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 200 ug/L		05/07/13 06:11	BP	SW 8260B*	
1,4-Dichlorobenzene	100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
1,4-Dioxane	< 500 ug/L		05/07/13 06:11	BP	SW 8260B*	
2,2-Dichloropropane	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
2-Butanone	20000 ug/L		05/07/13 02:49	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
2-Chlorotoluene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
2-Hexanone	610 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
2-Nitropropane	< 200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
4-Chlorotoluene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	520 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Acetone	65000 ug/L		05/07/13 02:49	BP	SW 8260B	04KS
Acetonitrile	< 500 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Acrolein	< 500 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Acrylonitrile	< 200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Allyl Chloride	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Benzene	420 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Bromobenzene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Bromochloromethane	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Bromodichloromethane	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Bromoform	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Bromomethane	< 200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Carbon disulfide	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Carbon tetrachloride	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Chlorobenzene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Chloroethane	< 200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Chloroform	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Chloromethane	< 200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS

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Laboratory Results

Sample No: **3050403-04**
Sample Description: **Untreated Commingled Voa/Svoc 13**

Collect Date: **05/02/13 00:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Dibromochloromethane	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Dibromomethane	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Ethyl methacrylate	< 100 ug/L		05/07/13 06:11	BP	SW 8260B*	
Ethylbenzene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Hexachlorobutadiene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Iodomethane	< 200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Isobutanol	51000 ug/L		05/07/13 02:49	BP	SW 8260B*	
Isopropylbenzene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
m,p-Xylene	< 200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Methacrylonitrile	< 100 ug/L		05/07/13 06:11	BP	SW 8260B*	
Methyl methacrylate	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Methylene chloride	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
MTBE	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Naphthalene	220 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
n-Butylbenzene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
n-Propylbenzene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
o-Xylene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
p-Isopropyl toluene	200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Propionitrile	< 200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
sec-Butylbenzene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Styrene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
tert-Butylbenzene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Tetrachloroethene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Toluene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B*	
Trichloroethene	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Trichlorofluoromethane	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Vinyl acetate	< 200 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Vinyl chloride	< 100 ug/L		05/07/13 06:11	BP	SW 8260B	04KS
Xylenes- Total	< 300 ug/L		05/07/13 06:11	BP	SW 8260B*	

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PO#: 3496416

Laboratory Results

Sample No: **3050403-04**
Sample Description: **Untreated Commingled Voa/Svoc 13**

Collect Date: **05/02/13 00:45**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method
Volatile Organics - STL						
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*65-134*		*05/07/13 06:11*	*BP*	*SW 8260B*
Surrogate: Bromofluorobenzene	*114 %*	*75.1-125*		*05/07/13 06:11*	*BP*	*SW 8260B*
Surrogate: Toluene-d8	*96 %*	*74.2-117*		*05/07/13 06:11*	*BP*	*SW 8260B*

Sample No: **3050403-05**
Sample Description: **Untreated Commingled Voa/Svoc 14**

Collect Date: **05/02/13 01:00**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
1,2,4-Trichlorobenzene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
1,2-Dichlorobenzene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
1,3-Dichlorobenzene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
1,4-Dichlorobenzene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2,4,5-Trichlorophenol	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2,4,6-Trichlorophenol	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2,4-Dichlorophenol	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2,4-Dimethylphenol	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2,4-Dinitrophenol	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2,4-Dinitrotoluene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2,6-Dimethylaniline	< 200	ug/L		05/09/13 11:06	jk	SW 8270C*	
2,6-Dinitrotoluene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2-Chloronaphthalene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2-Chlorophenol	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2-Methylnaphthalene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2-Methylphenol	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2-Nitroaniline	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
2-Nitrophenol	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
3- & 4-Methylphenol	1760	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
3-Nitroaniline	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
4-Bromophenylphenyl ether	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS

PDC Laboratories, Inc.
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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-05**
Sample Description: **Untreated Commingled Voa/Svoc 14**

Collect Date: **05/02/13 01:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
4-Chloro-3-methylphenol	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
4-Chloroaniline	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
4-Nitroaniline	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
4-Nitrophenol	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Acenaphthene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Acenaphthylene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Aniline	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Anthracene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Azobenzene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C*	
Benzidine	< 400 ug/L		05/09/13 11:06	jk	SW 8270C*	
Benzo(a)anthracene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Benzo(a)pyrene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Benzo(b&k)fluoranthene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Benzo(b)fluoranthene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Benzo(g,h,i)perylene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Benzo(k)fluoranthene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Benzoic Acid	1500 ug/L		05/09/13 11:06	jk	SW 8270C*	
Benzyl alcohol	1070 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Bis(2-chloroethyl) ether	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L		05/09/13 11:06	jk	SW 8270C*	
Bis(2-ethylhexyl) phthalate	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Butyl benzyl phthalate	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Carbazole	< 400 ug/L		05/09/13 11:06	jk	SW 8270C*	
Chrysene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Dibenzo(a,h)anthracene	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Dibenzofuran	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Diethyl phthalate	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Dimethyl phthalate	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Di-n-butyl phthalate	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Di-n-octyl phthalate	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Diphenylamine	< 400 ug/L		05/09/13 11:06	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-05**
Sample Description: **Untreated Commingled Voa/Svoc 14**

Collect Date: **05/02/13 01:00**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
Fluoranthene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Fluorene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Hexachlorobenzene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Hexachlorobutadiene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Hexachlorocyclopentadiene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Hexachloroethane	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Indeno(1,2,3-cd)pyrene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Isophorone	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Naphthalene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Nitrobenzene	463	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
N-Nitrosodimethylamine	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
N-Nitrosodi-n-propylamine	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Pentachlorophenol	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Phenanthrene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Phenol	3990	ug/L	Xc	05/09/13 11:06	jk	SW 8270C	04KS
Pyrene	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Pyridine	< 400	ug/L		05/09/13 11:06	jk	SW 8270C	04KS
Surrogate: 2-Fluorophenol	*42 %*	*10-35*	*S*	*05/09/13 11:06*	*jk*	*SW 8270C*	
Surrogate: Phenol- d5	*29 %*	*10-26*	*S*	*05/09/13 11:06*	*jk*	*SW 8270C*	
Surrogate: Nitrobenzene-d5	*145 %*	*22-105*	*S*	*05/09/13 11:06*	*jk*	*SW 8270C*	
Surrogate: 2-Fluorobiphenyl	*35 %*	*30-97*	*S*	*05/09/13 11:06*	*jk*	*SW 8270C*	
Surrogate: 2,4,6-Tribromophenol	*9 %*	*10-93*	*S*	*05/09/13 11:06*	*jk*	*SW 8270C*	
Surrogate: p-Terphenyl-d14	*36 %*	*22-115*	*S*	*05/09/13 11:06*	*jk*	*SW 8270C*	
Volatile Organics - STL							
1,1,1,2-Tetrachloroethane	< 100	ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 100	ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 100	ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100	ug/L		05/07/13 06:36	BP	SW 8260B*	
1,1,2-Trichloroethane	< 100	ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,1-Dichloroethane	< 100	ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,1-Dichloroethene	< 100	ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,1-Dichloropropene	< 100	ug/L		05/07/13 06:36	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-05**
Sample Description: **Untreated Commingled Voa/Svoc 14**

Collect Date: **05/02/13 01:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,2,3-Trichlorobenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B*	
1,2-Dibromoethane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 200 ug/L		05/07/13 06:36	BP	SW 8260B*	
1,2-Dichlorobenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,2-Dichloroethane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,2-Dichloropropane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,3,5-Trimethylbenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,3-Dichloropropane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 200 ug/L		05/07/13 06:36	BP	SW 8260B*	
1,4-Dichlorobenzene	110 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
1,4-Dioxane	< 500 ug/L		05/07/13 06:36	BP	SW 8260B*	
2,2-Dichloropropane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
2-Butanone	23000 ug/L		05/07/13 03:14	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
2-Chlorotoluene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
2-Hexanone	560 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
2-Nitropropane	< 200 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
4-Chlorotoluene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	490 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Acetone	79000 ug/L		05/07/13 03:14	BP	SW 8260B	04KS
Acetonitrile	< 500 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Acrolein	< 500 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Acrylonitrile	< 200 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Allyl Chloride	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Benzene	460 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Bromobenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Bromochloromethane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Bromodichloromethane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-05**
Sample Description: **Untreated Commingled Voa/Svoc 14**

Collect Date: **05/02/13 01:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Bromoform	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Bromomethane	< 200 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Carbon disulfide	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Carbon tetrachloride	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Chlorobenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Chloroethane	< 200 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Chloroform	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Chloromethane	< 200 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Dibromochloromethane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Dibromomethane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 200 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Ethyl methacrylate	< 100 ug/L		05/07/13 06:36	BP	SW 8260B*	
Ethylbenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Hexachlorobutadiene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Iodomethane	< 200 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Isobutanol	52000 ug/L		05/07/13 03:14	BP	SW 8260B*	
Isopropylbenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
m,p-Xylene	< 200 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Methacrylonitrile	< 100 ug/L		05/07/13 06:36	BP	SW 8260B*	
Methyl methacrylate	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Methylene chloride	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
MTBE	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Naphthalene	250 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
n-Butylbenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
n-Propylbenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
o-Xylene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
p-Isopropyl toluene	210 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Propionitrile	< 200 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
sec-Butylbenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Styrene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
tert-Butylbenzene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-05**
Sample Description: **Untreated Commingled Voa/Svoc 14**

Collect Date: **05/02/13 01:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Tetrachloroethene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Toluene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B*	
Trichloroethene	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Trichlorofluoromethane	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Vinyl acetate	< 200 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Vinyl chloride	< 100 ug/L		05/07/13 06:36	BP	SW 8260B	04KS
Xylenes- Total	< 300 ug/L		05/07/13 06:36	BP	SW 8260B*	
Surrogate: 1,2-Dichloroethane-d4	*111 % 65-134*		*05/07/13 06:36*	*BP*	*SW 8260B*	
Surrogate: Bromofluorobenzene	*112 % 75.1-125*		*05/07/13 06:36*	*BP*	*SW 8260B*	
Surrogate: Toluene-d8	*97 % 74.2-117*		*05/07/13 06:36*	*BP*	*SW 8260B*	

Sample No: **3050403-06**
Sample Description: **Untreated Commingled Voa/Svoc 15**

Collect Date: **05/02/13 01:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
1,2-Dichlorobenzene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
1,3-Dichlorobenzene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
1,4-Dichlorobenzene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2,4,5-Trichlorophenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2,4,6-Trichlorophenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2,4-Dichlorophenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2,4-Dimethylphenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2,4-Dinitrophenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2,4-Dinitrotoluene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2,6-Dimethylaniline	< 200 ug/L		05/09/13 11:48	jk	SW 8270C*	
2,6-Dinitrotoluene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2-Chloronaphthalene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-06**
Sample Description: **Untreated Commingled Voa/Svoc 15**

Collect Date: **05/02/13 01:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
2-Chlorophenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2-Methylnaphthalene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2-Methylphenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2-Nitroaniline	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
2-Nitrophenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
3- & 4-Methylphenol	2010 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
3-Nitroaniline	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
4-Bromophenylphenyl ether	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
4-Chloro-3-methylphenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
4-Chloroaniline	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
4-Nitroaniline	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
4-Nitrophenol	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Acenaphthene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Acenaphthylene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Aniline	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Anthracene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Azobenzene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C*	
Benzidine	< 400 ug/L		05/09/13 11:48	jk	SW 8270C*	
Benzo(a)anthracene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Benzo(a)pyrene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Benzo(b&k)fluoranthene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Benzo(b)fluoranthene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Benzo(g,h,i)perylene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Benzo(k)fluoranthene	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Benzoic Acid	1460 ug/L		05/09/13 11:48	jk	SW 8270C*	
Benzyl alcohol	1260 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Bis(2-chloroethyl) ether	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L		05/09/13 11:48	jk	SW 8270C*	
Bis(2-ethylhexyl) phthalate	< 400 ug/L		05/09/13 11:48	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-06**
Sample Description: **Untreated Commingled Voa/Svoc 15**

Collect Date: **05/02/13 01:15**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
Butyl benzyl phthalate	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Carbazole	< 400	ug/L		05/09/13 11:48	jk	SW 8270C*	
Chrysene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Dibenzo(a,h)anthracene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Dibenzofuran	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Diethyl phthalate	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Dimethyl phthalate	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Di-n-butyl phthalate	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Di-n-octyl phthalate	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Diphenylamine	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Fluoranthene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Fluorene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Hexachlorobenzene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Hexachlorobutadiene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Hexachlorocyclopentadiene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Hexachloroethane	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Indeno(1,2,3-cd)pyrene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Isophorone	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Naphthalene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Nitrobenzene	528	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
N-Nitrosodimethylamine	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
N-Nitrosodi-n-propylamine	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Pentachlorophenol	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Phenanthrene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Phenol	4230	ug/L	Xc	05/09/13 11:48	jk	SW 8270C	04KS
Pyrene	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Pyridine	< 400	ug/L		05/09/13 11:48	jk	SW 8270C	04KS
Surrogate: 2-Fluorophenol	*42 %*	*10-35*	*S*	*05/09/13 11:48*	*jk*	*SW 8270C*	
Surrogate: Phenol- d5	*30 %*	*10-26*	*S*	*05/09/13 11:48*	*jk*	*SW 8270C*	
Surrogate: Nitrobenzene-d5	*715 %*	*22-105*	*S*	*05/09/13 11:48*	*jk*	*SW 8270C*	
Surrogate: 2-Fluorobiphenyl	*41 %*	*30-97*	*S*	*05/09/13 11:48*	*jk*	*SW 8270C*	
Surrogate: 2,4,6-Tribromophenol	*6 %*	*10-93*	*S*	*05/09/13 11:48*	*jk*	*SW 8270C*	
Surrogate: p-Terphenyl-d14	*43 %*	*22-115*	*S*	*05/09/13 11:48*	*jk*	*SW 8270C*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-06**
Sample Description: **Untreated Commingled Voa/Svoc 15**

Collect Date: **05/02/13 01:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,1,1,2-Tetrachloroethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		05/07/13 07:01	BP	SW 8260B*	
1,1,2-Trichloroethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,1-Dichloroethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,1-Dichloroethene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,1-Dichloropropene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,2,3-Trichlorobenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B*	
1,2-Dibromoethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 200 ug/L		05/07/13 07:01	BP	SW 8260B*	
1,2-Dichlorobenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,2-Dichloroethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,2-Dichloropropane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,3,5-Trimethylbenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,3-Dichloropropane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 200 ug/L		05/07/13 07:01	BP	SW 8260B*	
1,4-Dichlorobenzene	110 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
1,4-Dioxane	< 500 ug/L		05/07/13 07:01	BP	SW 8260B*	
2,2-Dichloropropane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
2-Butanone	22000 ug/L		05/07/13 03:39	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
2-Chlorotoluene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
2-Hexanone	480 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
2-Nitropropane	< 200 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
4-Chlorotoluene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	500 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Acetone	51000 ug/L		05/07/13 03:39	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-06**
Sample Description: **Untreated Commingled Voa/Svoc 15**

Collect Date: **05/02/13 01:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Acetonitrile	< 500 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Acrolein	< 500 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Acrylonitrile	< 200 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Allyl Chloride	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Benzene	490 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Bromobenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Bromochloromethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Bromodichloromethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Bromoform	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Bromomethane	< 200 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Carbon disulfide	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Carbon tetrachloride	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Chlorobenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Chloroethane	< 200 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Chloroform	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Chloromethane	< 200 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Dibromochloromethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Dibromomethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 200 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Ethyl methacrylate	< 100 ug/L		05/07/13 07:01	BP	SW 8260B*	
Ethylbenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Hexachlorobutadiene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Iodomethane	< 200 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Isobutanol	52000 ug/L		05/07/13 03:39	BP	SW 8260B*	
Isopropylbenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
m,p-Xylene	< 200 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Methacrylonitrile	< 100 ug/L		05/07/13 07:01	BP	SW 8260B*	
Methyl methacrylate	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Methylene chloride	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
MTBE	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Naphthalene	250 ug/L		05/07/13 07:01	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-06**
Sample Description: **Untreated Commingled Voa/Svoc 15**

Collect Date: **05/02/13 01:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
n-Butylbenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
n-Propylbenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
o-Xylene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
p-Isopropyl toluene	210 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Propionitrile	< 200 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
sec-Butylbenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Styrene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
tert-Butylbenzene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Tetrachloroethene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Toluene	110 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B*	
Trichloroethene	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Trichlorofluoromethane	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Vinyl acetate	< 200 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Vinyl chloride	< 100 ug/L		05/07/13 07:01	BP	SW 8260B	04KS
Xylenes- Total	< 300 ug/L		05/07/13 07:01	BP	SW 8260B*	
Surrogate: 1,2-Dichloroethane-d4	*112 % 65-134*		*05/07/13 07:01*	*BP*	*SW 8260B*	
Surrogate: Bromofluorobenzene	*116 % 75.1-125*		*05/07/13 07:01*	*BP*	*SW 8260B*	
Surrogate: Toluene-d8	*102 % 74.2-117*		*05/07/13 07:01*	*BP*	*SW 8260B*	

Sample No: **3050403-07**
Sample Description: **Untreated Commingled Voa/Svoc 16**

Collect Date: **05/02/13 01:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
1,2-Dichlorobenzene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
1,3-Dichlorobenzene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
1,4-Dichlorobenzene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2,4,5-Trichlorophenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-07**
Sample Description: **Untreated Commingled Voa/Svoc 16**

Collect Date: **05/02/13 01:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
2,4,6-Trichlorophenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2,4-Dichlorophenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2,4-Dimethylphenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2,4-Dinitrophenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2,4-Dinitrotoluene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2,6-Dimethylaniline	< 200 ug/L		05/09/13 12:30	jk	SW 8270C*	
2,6-Dinitrotoluene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2-Chloronaphthalene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2-Chlorophenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2-Methylnaphthalene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2-Methylphenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2-Nitroaniline	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
2-Nitrophenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
3- & 4-Methylphenol	2170 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
3-Nitroaniline	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
4-Bromophenylphenyl ether	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
4-Chloro-3-methylphenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
4-Chloroaniline	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
4-Nitroaniline	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
4-Nitrophenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Acenaphthene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Acenaphthylene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Aniline	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Anthracene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Azobenzene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C*	
Benzidine	< 400 ug/L		05/09/13 12:30	jk	SW 8270C*	
Benzo(a)anthracene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Benzo(a)pyrene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Benzo(b&k)fluoranthene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Benzo(b)fluoranthene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-07**
Sample Description: **Untreated Commingled Voa/Svoc 16**

Collect Date: **05/02/13 01:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Benzo(g,h,i)perylene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Benzo(k)fluoranthene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Benzoic Acid	1410 ug/L		05/09/13 12:30	jk	SW 8270C*	
Benzyl alcohol	1210 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Bis(2-chloroethyl) ether	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L		05/09/13 12:30	jk	SW 8270C*	
Bis(2-ethylhexyl) phthalate	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Butyl benzyl phthalate	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Carbazole	< 400 ug/L		05/09/13 12:30	jk	SW 8270C*	
Chrysene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Dibenzo(a,h)anthracene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Dibenzofuran	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Diethyl phthalate	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Dimethyl phthalate	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Di-n-butyl phthalate	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Di-n-octyl phthalate	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Diphenylamine	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Fluoranthene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Fluorene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Hexachlorobenzene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Hexachlorobutadiene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Hexachlorocyclopentadiene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Hexachloroethane	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Indeno(1,2,3-cd)pyrene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Isophorone	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Naphthalene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Nitrobenzene	587 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
N-Nitrosodimethylamine	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
N-Nitrosodi-n-propylamine	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Pentachlorophenol	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Phenanthrene	< 400 ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Phenol	4670 ug/L	Xc	05/09/13 12:30	jk	SW 8270C	04KS

PDC Laboratories, Inc.
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(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977

Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-07**
Sample Description: **Untreated Commingled Voa/Svoc 16**

Collect Date: **05/02/13 01:30**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
Pyrene	< 400	ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Pyridine	< 400	ug/L		05/09/13 12:30	jk	SW 8270C	04KS
Surrogate: 2-Fluorophenol	*48 %*	*10-35*	*S*	*05/09/13 12:30*	*jk*	*SW 8270C*	
Surrogate: Phenol- d5	*34 %*	*10-26*	*S*	*05/09/13 12:30*	*jk*	*SW 8270C*	
Surrogate: Nitrobenzene-d5	*83 %*	*22-105*	*S*	*05/09/13 12:30*	*jk*	*SW 8270C*	
Surrogate: 2-Fluorobiphenyl	*40 %*	*30-97*	*S*	*05/09/13 12:30*	*jk*	*SW 8270C*	
Surrogate: 2,4,6-Tribromophenol	*23 %*	*10-93*	*S*	*05/09/13 12:30*	*jk*	*SW 8270C*	
Surrogate: p-Terphenyl-d14	*39 %*	*22-115*	*S*	*05/09/13 12:30*	*jk*	*SW 8270C*	
Volatile Organics - STL							
1,1,1,2-Tetrachloroethane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100	ug/L		05/07/13 07:27	BP	SW 8260B*	
1,1,2-Trichloroethane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,1-Dichloroethane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,1-Dichloroethene	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,1-Dichloropropene	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,2,3-Trichlorobenzene	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B*	
1,2-Dibromoethane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 200	ug/L		05/07/13 07:27	BP	SW 8260B*	
1,2-Dichlorobenzene	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,2-Dichloroethane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,2-Dichloropropane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,3,5-Trimethylbenzene	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,3-Dichloropropane	< 100	ug/L		05/07/13 07:27	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 200	ug/L		05/07/13 07:27	BP	SW 8260B*	
1,4-Dichlorobenzene	110	ug/L		05/07/13 07:27	BP	SW 8260B	04KS

PDC Laboratories, Inc.
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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-07**
Sample Description: **Untreated Commingled Voa/Svoc 16**

Collect Date: **05/02/13 01:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,4-Dioxane	< 500 ug/L		05/07/13 07:27	BP	SW 8260B*	
2,2-Dichloropropane	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
2-Butanone	17000 ug/L		05/07/13 04:05	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
2-Chlorotoluene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
2-Hexanone	620 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
2-Nitropropane	< 200 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
4-Chlorotoluene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	540 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Acetone	52000 ug/L		05/07/13 04:05	BP	SW 8260B	04KS
Acetonitrile	< 500 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Acrolein	< 500 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Acrylonitrile	< 200 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Allyl Chloride	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Benzene	490 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Bromobenzene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Bromochloromethane	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Bromodichloromethane	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Bromoform	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Bromomethane	< 200 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Carbon disulfide	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Carbon tetrachloride	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Chlorobenzene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Chloroethane	< 200 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Chloroform	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Chloromethane	< 200 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Dibromochloromethane	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Dibromomethane	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 200 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Ethyl methacrylate	< 100 ug/L		05/07/13 07:27	BP	SW 8260B*	
Ethylbenzene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-07**
Sample Description: **Untreated Commingled Voa/Svoc 16**

Collect Date: **05/02/13 01:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Hexachlorobutadiene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Iodomethane	< 200 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Isobutanol	49000 ug/L		05/07/13 04:05	BP	SW 8260B*	
Isopropylbenzene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
m,p-Xylene	< 200 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Methacrylonitrile	< 100 ug/L		05/07/13 07:27	BP	SW 8260B*	
Methyl methacrylate	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Methylene chloride	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
MTBE	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Naphthalene	250 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
n-Butylbenzene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
n-Propylbenzene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
o-Xylene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
p-Isopropyl toluene	220 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Propionitrile	< 200 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
sec-Butylbenzene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Styrene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
tert-Butylbenzene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Tetrachloroethene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Toluene	110 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B*	
Trichloroethene	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Trichlorofluoromethane	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Vinyl acetate	< 200 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Vinyl chloride	< 100 ug/L		05/07/13 07:27	BP	SW 8260B	04KS
Xylenes- Total	< 300 ug/L		05/07/13 07:27	BP	SW 8260B*	
Surrogate: 1,2-Dichloroethane-d4	*106 % 65-134*		*05/07/13 07:27*	*BP*	*SW 8260B*	
Surrogate: Bromofluorobenzene	*113 % 75.1-125*		*05/07/13 07:27*	*BP*	*SW 8260B*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/07/13 07:27*	*BP*	*SW 8260B*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-08**
Sample Description: **Trip Blank**

Collect Date: **05/02/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,1,1,2-Tetrachloroethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B*	
1,1,2-Trichloroethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,1-Dichloroethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,1-Dichloroethene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,1-Dichloropropene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,2,3-Trichlorobenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B*	
1,2-Dibromoethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 10 ug/L		05/06/13 23:53	BP	SW 8260B*	
1,2-Dichlorobenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,2-Dichloroethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,2-Dichloropropane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,3,5-Trimethylbenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,3-Dichloropropane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 10 ug/L		05/06/13 23:53	BP	SW 8260B*	
1,4-Dichlorobenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
1,4-Dioxane	< 25 ug/L		05/06/13 23:53	BP	SW 8260B*	
2,2-Dichloropropane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
2-Butanone	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
2-Chlorotoluene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
2-Hexanone	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
2-Nitropropane	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
4-Chlorotoluene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Acetone	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS

PDC Laboratories, Inc.
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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-08**
Sample Description: **Trip Blank**

Collect Date: **05/02/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Acetonitrile	< 25 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Acrolein	< 25 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Acrylonitrile	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Allyl Chloride	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Benzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Bromobenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Bromochloromethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Bromodichloromethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Bromoform	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Bromomethane	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Carbon disulfide	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Carbon tetrachloride	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Chlorobenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Chloroethane	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Chloroform	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Chloromethane	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Dibromochloromethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Dibromomethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Ethyl methacrylate	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B*	
Ethylbenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Hexachlorobutadiene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Iodomethane	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Isobutanol	< 25 ug/L		05/06/13 23:53	BP	SW 8260B*	
Isopropylbenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
m,p-Xylene	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Methacrylonitrile	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B*	
Methyl methacrylate	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Methylene chloride	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
MTBE	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Naphthalene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050403-08**
Sample Description: **Trip Blank**

Collect Date: **05/02/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
n-Butylbenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
n-Propylbenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
o-Xylene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
p-Isopropyl toluene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Propionitrile	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
sec-Butylbenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Styrene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
tert-Butylbenzene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Tetrachloroethene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Toluene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B*	
Trichloroethene	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Trichlorofluoromethane	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Vinyl acetate	< 10 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Vinyl chloride	< 5.0 ug/L		05/06/13 23:53	BP	SW 8260B	04KS
Xylenes- Total	< 15 ug/L		05/06/13 23:53	BP	SW 8260B*	
Surrogate: 1,2-Dichloroethane-d4	*113 % 65-134*		*05/06/13 23:53*	*BP*	*SW 8260B*	
Surrogate: Bromofluorobenzene	*103 % 75.1-125*		*05/06/13 23:53*	*BP*	*SW 8260B*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/06/13 23:53*	*BP*	*SW 8260B*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307138 - No Prep								
Blank (B307138-BLK1)			Prepared & Analyzed: 05/03/13					
Solids - total solids (TS)	< 0.050	%						
Duplicate (B307138-DUP1)	**Source: 3050403-03**		Prepared & Analyzed: 05/03/13					
Solids - total solids (TS)	3.98	%		4.04			2	20
Batch B307496 - No Prep								
Calibration Blank (B307496-CCB1)			Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	0.110	mg/L						
Calibration Check (B307496-CCV1)			Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	5.16	mg/L	5.000		103	90-110		
Matrix Spike (B307496-MS1)	**Source: 3050817-01**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	8.75	mg/L	5.000	3.35	108	80-120		
Matrix Spike (B307496-MS2)	**Source: 3050907-01**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	12.2	mg/L	5.000	6.75	109	80-120		
Matrix Spike (B307496-MS3)	**Source: 3051076-02**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	8.54	mg/L	5.000	3.56	100	80-120		
Matrix Spike (B307496-MS4)	**Source: 3051311-01**		Prepared & Analyzed: 05/10/13					
Total Organic Carbon (TOC)	10.3	mg/L	5.000	5.21	103	80-120		
Matrix Spike Dup (B307496-MSD1)	**Source: 3050817-01**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	9.36	mg/L	5.000	3.35	120	80-120	7	20
Matrix Spike Dup (B307496-MSD2)	**Source: 3050907-01**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	11.9	mg/L	5.000	6.75	103	80-120	2	20
Matrix Spike Dup (B307496-MSD3)	**Source: 3051076-02**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	8.37	mg/L	5.000	3.56	96	80-120	2	20
Matrix Spike Dup (B307496-MSD4)	**Source: 3051311-01**		Prepared & Analyzed: 05/10/13					
Total Organic Carbon (TOC)	10.1	mg/L	5.000	5.21	99	80-120	2	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307165 - 04-No Prep VOA								
Blank (B307165-BLK1)			Prepared & Analyzed: 05/06/13					
1,1,1,2-Tetrachloroethane	< 5.0	ug/L						
1,1,1-Trichloroethane	< 5.0	ug/L						

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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307165 - 04-No Prep VOA								
Blank (B307165-BLK1)			Prepared & Analyzed: 05/06/13					
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,1-Dichloropropene	< 5.0	ug/L						
1,2,3-Trichlorobenzene	< 5.0	ug/L						
1,2,3-Trichloropropane	< 5.0	ug/L						
1,2,4-Trichlorobenzene	< 5.0	ug/L						
1,2,4-Trimethylbenzene	< 5.0	ug/L						
1,2-Dibromo-3-chloropropane	< 5.0	ug/L						
1,2-Dibromoethane	< 5.0	ug/L						
1,2-Dichloroethene- Total	< 10	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3,5-Trimethylbenzene	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,3-Dichloropropane	< 5.0	ug/L						
1,3-Dichloropropene - Total	< 10	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
1,4-Dioxane	< 25	ug/L						
2,2-Dichloropropane	< 5.0	ug/L						
2-Butanone	< 10	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
2-Chlorotoluene	< 5.0	ug/L						
2-Hexanone	< 10	ug/L						
2-Nitropropane	< 10	ug/L						
4-Chlorotoluene	< 5.0	ug/L						
4-Methyl-2-pentanone (MIBK)	< 10	ug/L						
Acetone	< 10	ug/L						
Acetonitrile	< 25	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Allyl Chloride	< 5.0	ug/L						
Benzene	< 5.0	ug/L						
Bromobenzene	< 5.0	ug/L						
Bromochloromethane	< 5.0	ug/L						

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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307165 - 04-No Prep VOA								
Blank (B307165-BLK1)			Prepared & Analyzed: 05/06/13					
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon disulfide	< 5.0	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,2-Dichloroethene	< 5.0	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Dibromomethane	< 5.0	ug/L						
Dichlorodifluoromethane	< 10	ug/L						
Ethyl methacrylate	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
Hexachlorobutadiene	< 5.0	ug/L						
Iodomethane	< 10	ug/L						
Isobutanol	< 25	ug/L						
Isopropylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methacrylonitrile	< 5.0	ug/L						
Methyl methacrylate	< 5.0	ug/L						
Methylene chloride	< 5.0	ug/L						
MTBE	< 5.0	ug/L						
Naphthalene	< 5.0	ug/L						
n-Butylbenzene	< 5.0	ug/L						
n-Propylbenzene	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
p-Isopropyl toluene	< 5.0	ug/L						
Propionitrile	< 10	ug/L						
sec-Butylbenzene	< 5.0	ug/L						
Styrene	< 5.0	ug/L						
tert-Butylbenzene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
trans-1,4-Dichloro-2-butene	< 5.0	ug/L						

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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307165 - 04-No Prep VOA								
Blank (B307165-BLK1)			Prepared & Analyzed: 05/06/13					
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl acetate	< 10	ug/L						
Vinyl chloride	< 5.0	ug/L						
Xylenes- Total	< 15	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*32.2*	*ug/L*	*30.00*		*107*	*65-134*		
Surrogate: Bromofluorobenzene	*30.6*	*ug/L*	*30.00*		*102*	*75.1-125*		
Surrogate: Toluene-d8	*28.7*	*ug/L*	*30.00*		*96*	*74.2-117*		
LCS (B307165-BS1)			Prepared & Analyzed: 05/06/13					
1,1,1-Trichloroethane	18	ug/L	20.00		89	76-131		
1,1,2,2-Tetrachloroethane	18	ug/L	20.00		89	79-126		
1,1,2-Trichloroethane	19	ug/L	20.00		94	79-123		
1,1-Dichloroethane	19	ug/L	20.00		93	74-133		
1,1-Dichloroethene	19	ug/L	20.00		96	71-135		
1,2-Dichlorobenzene	17	ug/L	20.00		83	76-113		
1,2-Dichloroethane	20	ug/L	20.00		98	80-135		
1,2-Dichloropropane	20	ug/L	20.00		100	78-127		
1,3-Dichlorobenzene	18	ug/L	20.00		90	82-119		
1,4-Dichlorobenzene	18	ug/L	20.00		88	78-118		
2-Chloroethylvinyl ether	19	ug/L	20.00		93	66-138		
Acrolein	98	ug/L	100.0		98	38-156		
Acrylonitrile	23	ug/L	20.00		116	43-121		
Benzene	18	ug/L	20.00		90	84-114		
Bromodichloromethane	18	ug/L	20.00		89	82-116		
Bromoform	19	ug/L	20.00		96	65-115		
Bromomethane	17	ug/L	20.00		83	28-143		
Carbon tetrachloride	18	ug/L	20.00		90	72-131		
Chlorobenzene	18	ug/L	20.00		90	82-112		
Chloroethane	17	ug/L	20.00		85	41-126		
Chloroform	20	ug/L	20.00		101	78-124		
Chloromethane	19	ug/L	20.00		93	52-110		
cis-1,3-Dichloropropene	19	ug/L	20.00		95	82-116		
Dibromochloromethane	18	ug/L	20.00		92	83-119		
Ethylbenzene	18	ug/L	20.00		89	85-118		
m,p-Xylene	35	ug/L	40.00		87	80-111		
Methylene chloride	19	ug/L	20.00		97	78-140		
o-Xylene	18	ug/L	20.00		88	81-111		
Tetrachloroethene	26	ug/L	20.00		132	65-135		
Toluene	18	ug/L	20.00		92	81-120		

3050403

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Bridgeton Landfill
13570 St Charles Rock Road
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Attn: Ed Galbraith

Date Received: 05/02/13 16:30
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Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307165 - 04-No Prep VOA								
LCS (B307165-BS1)			Prepared & Analyzed: 05/06/13					
trans-1,2-Dichloroethene	19	ug/L	20.00		94	70-136		
trans-1,3-Dichloropropene	18	ug/L	20.00		90	82-113		
Trichloroethene	19	ug/L	20.00		96	84-125		
Trichlorofluoromethane	19	ug/L	20.00		96	70-138		
Vinyl chloride	22	ug/L	20.00		112	56-112		
Surrogate: 1,2-Dichloroethane-d4	*34.1*	*ug/L*	*30.00*		*114*	*65.3-134*		
Surrogate: Bromofluorobenzene	*28.7*	*ug/L*	*30.00*		*96*	*77.8-123*		
Surrogate: Toluene-d8	*28.8*	*ug/L*	*30.00*		*96*	*73.2-119*		
Matrix Spike (B307165-MS1)	**Source: 3050403-08**		Prepared: 05/06/13 Analyzed: 05/07/13					
1,1,1-Trichloroethane	15	ug/L	20.00	ND	77	58-143		
1,1,2,2-Tetrachloroethane	16	ug/L	20.00	ND	80	70-133		
1,1,2-Trichloroethane	16	ug/L	20.00	ND	79	73-130		
1,1-Dichloroethane	16	ug/L	20.00	ND	82	55-146		
1,1-Dichloroethene	17	ug/L	20.00	ND	87	51-150		
1,2-Dichlorobenzene	14	ug/L	20.00	ND	70	62-120		
1,2-Dichloroethane	17	ug/L	20.00	ND	85	67-143		
1,2-Dichloropropane	17	ug/L	20.00	ND	83	66-134		
1,3-Dichlorobenzene	16	ug/L	20.00	ND	80	67-124		
1,4-Dichlorobenzene	15	ug/L	20.00	ND	73	66-123		
Acrolein	71	ug/L	100.0	ND	71	14-156		
Acrylonitrile	16	ug/L	20.00	ND	78	46-116		
Benzene	16	ug/L	20.00	ND	79	69-126		
Bromodichloromethane	15	ug/L	20.00	ND	75	67-128		
Bromoform	17	ug/L	20.00	ND	84	42-132		
Bromomethane	14	ug/L	20.00	ND	71	5-138		
Carbon tetrachloride	16	ug/L	20.00	ND	80	53-151		
Chlorobenzene	16	ug/L	20.00	ND	78	67-124		
Chloroethane	16	ug/L	20.00	ND	81	35-123		
Chloroform	17	ug/L	20.00	ND	83	41-155		
Chloromethane	15	ug/L	20.00	ND	75	39-120		
cis-1,3-Dichloropropene	16	ug/L	20.00	ND	78	68-126		
Dibromochloromethane	15	ug/L	20.00	ND	77	68-131		
Ethylbenzene	16	ug/L	20.00	ND	80	68-128		
m,p-Xylene	30	ug/L	40.00	ND	74	64-122		
Methylene chloride	17	ug/L	20.00	ND	83	70-150		
o-Xylene	15	ug/L	20.00	ND	75	65-122		
Tetrachloroethene	14	ug/L	20.00	ND	71	42-132		
Toluene	16	ug/L	20.00	ND	80	64-137		
trans-1,2-Dichloroethene	17	ug/L	20.00	ND	83	57-145		

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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307165 - 04-No Prep VOA								
Matrix Spike (B307165-MS1)	**Source: 3050403-08**		Prepared: 05/06/13 Analyzed: 05/07/13					
trans-1,3-Dichloropropene	15	ug/L	20.00	ND	76	66-121		
Trichloroethene	17	ug/L	20.00	ND	84	69-131		
Trichlorofluoromethane	17	ug/L	20.00	ND	84	36-162		
Vinyl chloride	19	ug/L	20.00	ND	93	24-137		
Surrogate: 1,2-Dichloroethane-d4	*32.7*	*ug/L*	*30.00*		*109*	*63.3-137*		
Surrogate: Bromofluorobenzene	*29.7*	*ug/L*	*30.00*		*99*	*74.6-123*		
Surrogate: Toluene-d8	*29.7*	*ug/L*	*30.00*		*99*	*71-122*		
Matrix Spike Dup (B307165-MSD1)	**Source: 3050403-08**		Prepared: 05/06/13 Analyzed: 05/07/13					
1,1,1-Trichloroethane	15	ug/L	20.00	ND	73	58-143	6	40
1,1,2,2-Tetrachloroethane	16	ug/L	20.00	ND	80	70-133	0.6	40
1,1,2-Trichloroethane	16	ug/L	20.00	ND	82	73-130	3	40
1,1-Dichloroethane	16	ug/L	20.00	ND	78	55-146	6	40
1,1-Dichloroethene	16	ug/L	20.00	ND	78	51-150	12	40
1,2-Dichlorobenzene	15	ug/L	20.00	ND	73	62-120	4	40
1,2-Dichloroethane	16	ug/L	20.00	ND	82	67-143	3	40
1,2-Dichloropropane	16	ug/L	20.00	ND	81	66-134	2	40
1,3-Dichlorobenzene	16	ug/L	20.00	ND	79	67-124	1	40
1,4-Dichlorobenzene	15	ug/L	20.00	ND	76	66-123	3	40
Acrolein	52	ug/L	100.0	ND	52	14-156	32	40
Acrylonitrile	11	ug/L	20.00	ND	56	46-116	33	40
Benzene	15	ug/L	20.00	ND	77	69-126	2	40
Bromodichloromethane	15	ug/L	20.00	ND	75	67-128	0.3	40
Bromoform	16	ug/L	20.00	ND	79	42-132	5	40
Bromomethane	17	ug/L	20.00	ND	83	5-138	16	40
Carbon tetrachloride	15	ug/L	20.00	ND	73	53-151	8	40
Chlorobenzene	15	ug/L	20.00	ND	77	67-124	1	40
Chloroethane	16	ug/L	20.00	ND	82	35-123	2	40
Chloroform	15	ug/L	20.00	ND	76	41-155	8	40
Chloromethane	15	ug/L	20.00	ND	77	39-120	3	40
cis-1,3-Dichloropropene	15	ug/L	20.00	ND	76	68-126	3	40
Dibromochloromethane	16	ug/L	20.00	ND	78	68-131	0.9	40
Ethylbenzene	16	ug/L	20.00	ND	78	68-128	2	40
m,p-Xylene	30	ug/L	40.00	ND	76	64-122	2	40
Methylene chloride	16	ug/L	20.00	ND	79	70-150	5	40
o-Xylene	15	ug/L	20.00	ND	77	65-122	3	40
Tetrachloroethene	14	ug/L	20.00	ND	72	42-132	0.9	40
Toluene	17	ug/L	20.00	ND	84	64-137	5	40
trans-1,2-Dichloroethene	16	ug/L	20.00	ND	78	57-145	7	40
trans-1,3-Dichloropropene	15	ug/L	20.00	ND	76	66-121	0.2	40

3050403

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Laboratory Results

Volatile Organics - Quality Control

Analyte		Result		Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307165 - 04-No Prep VOA										
Matrix Spike Dup (B307165-MSD1)		**Source: 3050403-08**			Prepared: 05/06/13 Analyzed: 05/07/13					
Trichloroethene		15		ug/L	20.00	ND	76	69-131	9	40
Trichlorofluoromethane		16		ug/L	20.00	ND	78	36-162	7	40
Vinyl chloride		17		ug/L	20.00	ND	83	24-137	12	40
Surrogate: 1,2-Dichloroethane-d4			*34.2*	*ug/L*	*30.00*		*114*	*63.3-137*		
Surrogate: Bromofluorobenzene			*30.1*	*ug/L*	*30.00*		*100*	*74.6-123*		
Surrogate: Toluene-d8			*28.5*	*ug/L*	*30.00*		*95*	*71-122*		

Volatile Organics- TCLP - Quality Control

Analyte		Result		Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307226 - 04-No Prep VOA										
Blank (B307226-BLK1)					Prepared & Analyzed: 05/07/13					
1,1-Dichloroethene		< 5.0		ug/L						
1,2-Dichloroethane		< 5.0		ug/L						
1,4-Dichlorobenzene		< 5.0		ug/L						
2-Butanone		< 10		ug/L						
Benzene		< 5.0		ug/L						
Carbon tetrachloride		< 5.0		ug/L						
Chlorobenzene		< 5.0		ug/L						
Chloroform		< 5.0		ug/L						
Tetrachloroethene		< 5.0		ug/L						
Trichloroethene		< 5.0		ug/L						
Vinyl chloride		< 5.0		ug/L						
Surrogate: 1,2-Dichloroethane-d4			*32.1*	*ug/L*	*30.00*		*107*	*59.4-135*		
Surrogate: Toluene-d8			*29.3*	*ug/L*	*30.00*		*98*	*77.7-111*		
Surrogate: Bromofluorobenzene			*28.1*	*ug/L*	*30.00*		*94*	*74-125*		
LCS (B307226-BS1)					Prepared & Analyzed: 05/07/13					
1,1-Dichloroethene		21		ug/L	20.00		105	84-127		
1,2-Dichloroethane		19		ug/L	20.00		96	86-134		
1,4-Dichlorobenzene		17		ug/L	20.00		84	82-121		
2-Butanone		18		ug/L	20.00		91	42-133		
Benzene		18		ug/L	20.00		89	88-117		
Carbon tetrachloride		20		ug/L	20.00		100	77-132		
Chlorobenzene		18		ug/L	20.00		90	87-112		
Chloroform		19		ug/L	20.00		96	78-132		
Tetrachloroethene	C, X	28		ug/L	20.00		139	74-124		
Trichloroethene		20		ug/L	20.00		102	90-126		

3050403

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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics- TCLP - Quality Control

Analyte		Result		Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307226 - 04-No Prep VOA										
LCS (B307226-BS1)					Prepared & Analyzed: 05/07/13					
Vinyl chloride		23		ug/L	20.00		114	56-121		
Surrogate: 1,2-Dichloroethane-d4			*31.5*	*ug/L*	*30.00*		*105*	*58.5-138*		
Surrogate: Toluene-d8			*29.8*	*ug/L*	*30.00*		*99*	*70.3-119*		
Surrogate: Bromofluorobenzene			*27.7*	*ug/L*	*30.00*		*92*	*74-126*		
Matrix Spike (B307226-MS1)		**Source: 3050403-01**			Prepared & Analyzed: 05/07/13					
1,1-Dichloroethene		478		ug/L	800.0	ND	60	32-165		
1,2-Dichloroethane		766		ug/L	800.0	ND	96	88-130		
1,4-Dichlorobenzene		613		ug/L	800.0	ND	77	75-121		
2-Butanone	Q1	2920		ug/L	800.0	1130	224	5-176		
Benzene		590		ug/L	800.0	ND	74	64-132		
Carbon tetrachloride		481		ug/L	800.0	ND	60	34-160		
Chlorobenzene		610		ug/L	800.0	ND	76	73-123		
Chloroform		677		ug/L	800.0	ND	85	68-141		
Tetrachloroethene		484		ug/L	800.0	ND	61	16-164		
Trichloroethene		544		ug/L	800.0	ND	68	45-161		
Vinyl chloride		399		ug/L	800.0	ND	50	10-152		
Surrogate: 1,2-Dichloroethane-d4			*31.2*	*ug/L*	*30.00*		*104*	*59-133*		
Surrogate: Toluene-d8			*29.3*	*ug/L*	*30.00*		*98*	*78.2-110*		
Surrogate: Bromofluorobenzene			*27.5*	*ug/L*	*30.00*		*92*	*72.2-127*		

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)								
Blank (B306916-BLK1)			Prepared: 05/06/13 Analyzed: 05/07/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)								
Blank (B306916-BLK1)			Prepared: 05/06/13 Analyzed: 05/07/13					
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Methylnaphthalene	< 10.0	ug/L						
2-Methylphenol	< 10.0	ug/L						
2-Nitroaniline	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3- & 4-Methylphenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
3-Nitroaniline	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chloroaniline	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitroaniline	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Aniline	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Benzoic Acid	< 10.0	ug/L						
Benzyl alcohol	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Carbazole	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						
Dibenzofuran	< 10.0	ug/L						

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)								
Blank (B306916-BLK1)			Prepared: 05/06/13 Analyzed: 05/07/13					
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
Pyridine	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	*48*	*ug/L*	*80.00*		*60*	*52.2-99.4*		
Surrogate: Phenol- d5	*51*	*ug/L*	*80.00*		*64*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*51*	*ug/L*	*80.00*		*63*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl	*51*	*ug/L*	*80.00*		*64*	*58-107*		
Surrogate: 2,4,6-Tribromophenol	*43*	*ug/L*	*80.00*		*53*	*37.6-118*		
Surrogate: p-Terphenyl-d14	*50*	*ug/L*	*80.00*		*62*	*42.1-123*		
LCS (B306916-BS1)			Prepared: 05/06/13 Analyzed: 05/07/13					
1,2,4-Trichlorobenzene	47	ug/L	80.00		59	56-88		
1,2-Dichlorobenzene	49	ug/L	80.00		61	56-86		
1,3-Dichlorobenzene	47	ug/L	80.00		59	54-84		
1,4-Dichlorobenzene	47	ug/L	80.00		59	55-87		

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)								
LCS (B306916-BS1)			Prepared: 05/06/13 Analyzed: 05/07/13					
2,4,5-Trichlorophenol	55	ug/L	80.00		69	54-107		
2,4,6-Trichlorophenol	56	ug/L	80.00		70	53-108		
2,4-Dichlorophenol	52	ug/L	80.00		65	57-100		
2,4-Dimethylphenol	54	ug/L	80.00		68	58-99		
2,4-Dinitrophenol	59	ug/L	80.00		74	41-122		
2,4-Dinitrotoluene	50	ug/L	80.00		63	46-100		
2,6-Dinitrotoluene	50	ug/L	80.00		62	53-100		
2-Chloronaphthalene	49	ug/L	80.00		61	54-90		
2-Chlorophenol	54	ug/L	80.00		68	59-97		
2-Methylphenol	57	ug/L	80.00		71	56-107		
2-Nitrophenol	54	ug/L	80.00		67	56-105		
3- & 4-Methylphenol	54	ug/L	80.00		68	56-100		
3,3'-Dichlorobenzidine	60	ug/L	80.00		75	50-107		
4,6-Dinitro-2-methylphenol	59	ug/L	80.00		73	51-102		
4-Bromophenylphenyl ether	48	ug/L	80.00		60	52-97		
4-Chloro-3-methylphenol	54	ug/L	80.00		67	58-102		
4-Chlorophenylphenyl ether	49	ug/L	80.00		62	52-98		
4-Nitrophenol	57	ug/L	80.00		71	47-114		
Acenaphthene	50	ug/L	80.00		62	54-93		
Acenaphthylene	50	ug/L	80.00		62	56-93		
Anthracene	52	ug/L	80.00		65	57-94		
Azobenzene	50	ug/L	80.00		62	44-98		
Benzidine	17	ug/L	80.00		21	10-68		
Benzo(a)anthracene	50	ug/L	80.00		62	45-94		
Benzo(a)pyrene	54	ug/L	80.00		67	50-111		
Benzo(b&k)fluoranthene	106	ug/L	160.0		66	52-102		
Benzo(b)fluoranthene	57	ug/L	80.00		71	50-108		
Benzo(g,h,i)perylene	63	ug/L	80.00		79	45-102		
Benzo(k)fluoranthene	59	ug/L	80.00		74	50-98		
Benzoic Acid	64	ug/L	80.00		80	43-117		
Bis(2-chloroethoxy) methane	47	ug/L	80.00		59	52-89		
Bis(2-chloroethyl) ether	45	ug/L	80.00		57	55-88		
Bis(2-chloroisopropyl) ether	49	ug/L	80.00		62	37-81		
Bis(2-ethylhexyl) phthalate	51	ug/L	80.00		64	44-97		
Butyl benzyl phthalate	52	ug/L	80.00		65	44-96		
Chrysene	54	ug/L	80.00		67	50-100		
Dibenzo(a,h)anthracene	63	ug/L	80.00		79	53-99		
Diethyl phthalate	48	ug/L	80.00		60	53-92		
Dimethyl phthalate	50	ug/L	80.00		62	53-93		

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)									
LCS (B306916-BS1)				Prepared: 05/06/13 Analyzed: 05/07/13					
Di-n-butyl phthalate		47	ug/L	80.00		59	55-96		
Di-n-octyl phthalate		53	ug/L	80.00		66	42-110		
Diphenylamine		60	ug/L	80.00		75	49-97		
Fluoranthene		48	ug/L	80.00		60	56-92		
Fluorene		49	ug/L	80.00		61	52-97		
Hexachlorobenzene		48	ug/L	80.00		60	51-98		
Hexachlorobutadiene		45	ug/L	80.00		56	54-92		
Hexachlorocyclopentadiene		31	ug/L	80.00		38	27-85		
Hexachloroethane		47	ug/L	80.00		59	56-83		
Indeno(1,2,3-cd)pyrene		62	ug/L	80.00		78	50-106		
Isophorone		44	ug/L	80.00		55	52-85		
Naphthalene		49	ug/L	80.00		61	59-87		
Nitrobenzene		47	ug/L	80.00		59	48-95		
N-Nitrosodimethylamine		46	ug/L	80.00		58	53-90		
N-Nitrosodi-n-propylamine		46	ug/L	80.00		57	47-87		
Pentachlorophenol		57	ug/L	80.00		72	49-128		
Phenanthrene		50	ug/L	80.00		63	55-95		
Phenol		51	ug/L	80.00		63	55-96		
Pyrene		58	ug/L	80.00		72	51-98		
1,4-Dichlorobenzene-d4		40	ug/L				0-200		
Naphthalene-d8		40	ug/L				0-200		
Acenaphthene-d10		40	ug/L				0-200		
Phenanthrene-d10		40	ug/L				0-200		
Chrysene-d12		40	ug/L				0-200		
Perylene-d12		40	ug/L				0-200		
Surrogate: 2-Fluorophenol		*48*	*ug/L*	*80.00*		*61*	*52.2-99.4*		
Surrogate: Phenol- d5		*51*	*ug/L*	*80.00*		*64*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*Xb*	*45*	*ug/L*	*80.00*		*57*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl		*49*	*ug/L*	*80.00*		*61*	*58-107*		
Surrogate: 2,4,6-Tribromophenol		*50*	*ug/L*	*80.00*		*63*	*37.6-118*		
Surrogate: p-Terphenyl-d14		*45*	*ug/L*	*80.00*		*57*	*42.1-123*		
Matrix Spike (B306916-MS1)		**Source: 3050344-01**		Prepared: 05/06/13 Analyzed: 05/09/13					
1,2,4-Trichlorobenzene		39	ug/L	80.00	ND	49	36-94		
1,2-Dichlorobenzene		38	ug/L	80.00	ND	48	17-110		
1,3-Dichlorobenzene		36	ug/L	80.00	ND	45	27-89		
1,4-Dichlorobenzene		38	ug/L	80.00	ND	48	34-87		
2,4,5-Trichlorophenol		38	ug/L	80.00	ND	48	15-100		
2,4,6-Trichlorophenol		39	ug/L	80.00	ND	49	22-101		
2,4-Dichlorophenol		32	ug/L	80.00	ND	40	10-100		

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)									
Matrix Spike (B306916-MS1)		**Source: 3050344-01**		Prepared: 05/06/13 Analyzed: 05/09/13					
2,4-Dimethylphenol		29	ug/L	80.00	ND	36	10-94		
2,4-Dinitrophenol		32	ug/L	80.00	ND	40	10-117		
2,4-Dinitrotoluene		38	ug/L	80.00	ND	48	34-99		
2,6-Dinitrotoluene		40	ug/L	80.00	ND	50	39-101		
2-Chloronaphthalene		40	ug/L	80.00	ND	50	39-94		
2-Chlorophenol		24	ug/L	80.00	ND	30	12-79		
2-Methylphenol		22	ug/L	80.00	ND	27	10-98		
2-Nitrophenol		35	ug/L	80.00	ND	44	16-102		
3- & 4-Methylphenol		31	ug/L	80.00	9	28	10-87		
3,3'-Dichlorobenzidine		28	ug/L	80.00	ND	36	10-112		
4,6-Dinitro-2-methylphenol		27	ug/L	80.00	ND	33	10-113		
4-Bromophenylphenyl ether		42	ug/L	80.00	ND	52	38-103		
4-Chloro-3-methylphenol		30	ug/L	80.00	ND	38	10-90		
4-Chlorophenylphenyl ether		43	ug/L	80.00	ND	54	40-101		
4-Nitrophenol	Q1	< 20.0	ug/L	80.00	ND		10-72		
Acenaphthene		42	ug/L	80.00	ND	53	41-98		
Acenaphthylene		43	ug/L	80.00	ND	53	41-98		
Anthracene		46	ug/L	80.00	ND	58	40-102		
Azobenzene		39	ug/L	80.00	ND	49	36-100		
Benzidine	Q1	86	ug/L	80.00	149	NR	10-55		
Benzo(a)anthracene		43	ug/L	80.00	ND	54	34-99		
Benzo(a)pyrene		45	ug/L	80.00	ND	56	39-114		
Benzo(b&k)fluoranthene		90	ug/L	160.0	ND	56	37-112		
Benzo(b)fluoranthene		42	ug/L	80.00	ND	52	33-128		
Benzo(g,h,i)perylene		53	ug/L	80.00	ND	66	25-106		
Benzo(k)fluoranthene		41	ug/L	80.00	ND	51	33-104		
Benzoic Acid		77	ug/L	80.00	47	39	10-62		
Bis(2-chloroethoxy) methane		33	ug/L	80.00	ND	41	28-91		
Bis(2-chloroethyl) ether		30	ug/L	80.00	ND	37	10-109		
Bis(2-chloroisopropyl) ether		39	ug/L	80.00	ND	48	10-105		
Bis(2-ethylhexyl) phthalate		84	ug/L	80.00	51	41	32-106		
Butyl benzyl phthalate		50	ug/L	80.00	ND	63	32-98		
Chrysene		46	ug/L	80.00	ND	57	40-104		
Dibenzo(a,h)anthracene		52	ug/L	80.00	ND	64	32-104		
Diethyl phthalate		41	ug/L	80.00	ND	51	36-99		
Dimethyl phthalate		37	ug/L	80.00	ND	47	30-94		
Di-n-butyl phthalate		39	ug/L	80.00	ND	48	42-101		
Di-n-octyl phthalate		49	ug/L	80.00	ND	61	30-123		
Diphenylamine		52	ug/L	80.00	ND	65	23-110		

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(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977

Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:30
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)									
Matrix Spike (B306916-MS1)		**Source: 3050344-01**		Prepared: 05/06/13 Analyzed: 05/09/13					
Fluoranthene		41	ug/L	80.00	ND	52	39-100		
Fluorene		44	ug/L	80.00	ND	55	40-100		
Hexachlorobenzene		40	ug/L	80.00	ND	50	35-104		
Hexachlorobutadiene		37	ug/L	80.00	ND	47	32-99		
Hexachlorocyclopentadiene		15	ug/L	80.00	ND	19	10-90		
Hexachloroethane		25	ug/L	80.00	ND	31	15-102		
Indeno(1,2,3-cd)pyrene		50	ug/L	80.00	ND	63	32-108		
Isophorone		30	ug/L	80.00	ND	38	29-85		
Naphthalene		41	ug/L	80.00	ND	51	38-97		
Nitrobenzene		34	ug/L	80.00	ND	43	22-102		
N-Nitrosodimethylamine		9	ug/L	80.00	ND	11	10-60		
N-Nitrosodi-n-propylamine		29	ug/L	80.00	ND	36	10-110		
Pentachlorophenol		60	ug/L	80.00	ND	75	11-127		
Phenanthrene		44	ug/L	80.00	ND	55	39-101		
Phenol	Q1	< 20.0	ug/L	80.00	ND		10-39		
Pyrene		40	ug/L	80.00	ND	50	38-106		
1,4-Dichlorobenzene-d4		80	ug/L				0-200		
Naphthalene-d8		80	ug/L				0-200		
Acenaphthene-d10		80	ug/L				0-200		
Phenanthrene-d10		80	ug/L				0-200		
Chrysene-d12		80	ug/L				0-200		
Perylene-d12		80	ug/L				0-200		
Surrogate: 2-Fluorophenol	*Xa*	*6.9*	*ug/L*	*80.00*		*9*	*10-35*		
Surrogate: Phenol- d5	*Xa*	*5.6*	*ug/L*	*80.00*		*7*	*10-26*		
Surrogate: Nitrobenzene-d5		*28*	*ug/L*	*80.00*		*35*	*22-105*		
Surrogate: 2-Fluorobiphenyl		*41*	*ug/L*	*80.00*		*51*	*30-97*		
Surrogate: 2,4,6-Tribromophenol		*16*	*ug/L*	*80.00*		*21*	*10-93*		
Surrogate: p-Terphenyl-d14		*42*	*ug/L*	*80.00*		*53*	*22-115*		

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Laboratory Results

Notes

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

Xc The intensity of a secondary ion exceeds the relative intensity in the reference spectra.
Xb Low nitrobenzened5 surrogate recovery in the BS.
Xa Low acid surrogate, due to matrix.
X Failed blank spike with high bias; no detect in sample
S Surrogate compound diluted below a reliable quantitation level.
Q1 MS Failed %R
C The blank spike failed to meet the required acceptance criteria.

Roxann Shull

Certified by: Roxann Shull, Client Services Supervisor

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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: Bridgeton L.F.	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 St. Charles Rock Road	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: Bridgeton, MO 63044	SAMPLER: Scott C. Fedak		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, NAL-NONAQUEOUS, SOIL-SOILS
CONTACT PERSON: Ed Galbraith / Scott C. Fedak	SAMPLER'S SIGNATURE: Scott C. Fedak		

(FOR LAB USE ONLY)
LOGIN # 3050403
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	3 ANALYSIS REQUESTED: TCLP VOCs (8260B)	TOC (9060)	% Solids (SM 2540B)	VOCs (8260B)	SVOCs (8270C)			REMARKS
UNTREATED COMMINGLED TCLP (5/1/13) 4	5/1/13	2355	X		L'CHT	2	X							
UNTREATED COMMINGLED TOC (5/2/13) 4	5/2/13	0020				1		X						
UNTREATED COMMINGLED SOLIDS (5/2/13) 4		0030				1			X					
UNTREATED COMMINGLED VOA/SVOC (5/2/13) 13		0045				4				X	X			
UNTREATED COMMINGLED VOA/SVOC (5/2/13) 14		0100				4				X	X			
UNTREATED COMMINGLED VOA/SVOC (5/2/13) 15		0115				4				X	X			
UNTREATED COMMINGLED VOA/SVOC (5/2/13) 16		0130				4				X	X			
Trip Blank	--	--	--	--	--	3				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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C Fedak	5/2/13	16:30	Heather Galbraith	5/2/13	16:30
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	-0.5°C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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PAGE _____ OF _____

SUBCONTRACT ORDER

PDC Laboratories, Inc.

3050403

SENDING LABORATORY:

___ PDC Laboratories, Inc, 2231 W Altorfer Peoria, IL 61615

___ PDC Laboratories, Inc, 1805 W Sunset, Springfield, MO 65807

X PDC Laboratories, Inc, 3278 N Highway 67, Florissant, MO 63033

Project Manager: Roxann Shull rshull@pdclab.com Phone: 314-595-7337

Date Shipped 5/6/13

Sample Origin (State) MO

PO#

Total # of Containers 1

RECEIVING LABORATORY:

PDC Laboratories, Inc.
PO Box 9071
Peoria, IL 61612-9071
Phone :(309) 692-9688

Analysis	Due	Expires	Comments
Sample ID: 3050403-02	**Water**	**Sampled:05/02/13 00:20**	
TOC	05/07/13 16:00	05/30/13 00:20	

Turn-Around Time Requested (circle one): NORMAL RUSH Date Results Needed: 5/7/13

Relinquished By	Date/Time	Received By	Date/Time
Heather Garlach	5/3/13		
Relinquished By	Date/Time	Received By	Date/Time
			5/7/13 9:30

Sample Temperature Upon Receipt	4 C
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	Y or N
Date/Time Taken From Sample Bottle	Y or N

Page 1 of 1

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:52
Report Date: 05/08/13
Customer #: 277310

Laboratory Results

Sample No: **3050385-01**
Sample Description: **MSD Batch 82-BOD**

Collect Date: **05/02/13 02:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
BOD	28000 mg/L		05/03/13 12:10	DAW	SM 5210B 18Ed	04KS

3050385

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:52
Report Date: 05/08/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307064 - 04-No Prep WC								
Blank (B307064-BLK1)			Prepared & Analyzed: 05/03/13					
BOD	< 6.0	mg/L						
LCS (B307064-BS1)			Prepared & Analyzed: 05/03/13					
BOD	220	mg/L	198.0		111	34.6-115.4		
Duplicate (B307064-DUP1)	**Source: 3050342-05**		Prepared & Analyzed: 05/03/13					
BOD	< 6.0	mg/L		ND				20

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Date Received: 05/02/13 16:52
Report Date: 05/08/13
Customer #: 277310

Laboratory Results

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UST Certification; Iowa (240)
SPM PDC Laboratories - Springfield, MO
EPA DMR-QA Program
STL PDC Laboratories - St. Louis, MO
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
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Certified by: Roxann Shull, Client Services Supervisor

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State where samples collected MO

(Instructions/Sample Acceptance Policy on Reverse)

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

1

CLIENT: Bridgeton L.F.	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 St. Charles Rock Road	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: Bridgeton, MO 63044	SAMPLER: Scott C. Fedak		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, NAL-NONAQUEOUS, SOIL-SOILS
CONTACT PERSON: Ed Galbraith / Scott C. Fedak	SAMPLER'S SIGNATURE: Scott C. Fedak		

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 305D385
LOGGED BY: HG
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	BOD (5210B)	REMARKS
BATCH 82 - MSD	5/2/13	0200	X		L'CHT	1	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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/2/13	16:30	Heather Leabert	5/2/13	16:30
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	0.3 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050388-01**
Sample Description: **MSD Batch 82**

Collect Date: **05/02/13 02:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	45000 mg/L		05/03/13 10:00	DAW	SM 5220D 18Ed	04KS
Oil & Grease - total	< 93 mg/L		05/03/13 08:00	mep	EPA 1664A	04KS
pH	5.7 pH Units	H	05/02/13 17:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1300 mg/L		05/03/13 10:20	DAW	SM 2540D 18Ed	04KS
Nutrients - STL						
Ammonia-N	700 mg/L		05/02/13 11:00	ACV	SM(18) 4500 NH3 F	04KS
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
1,2-Dichlorobenzene	< 400 ug/L		05/09/13 18:52	jk	EPA 625*	
1,3-Dichlorobenzene	< 400 ug/L		05/09/13 18:52	jk	EPA 625*	
1,4-Dichlorobenzene	< 400 ug/L		05/09/13 18:52	jk	EPA 625*	
2,4,5-Trichlorophenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625*	
2,4,6-Trichlorophenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
2,4-Dichlorophenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
2,4-Dimethylphenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
2,4-Dinitrophenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
2,4-Dinitrotoluene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
2,6-Dimethylaniline	< 200 ug/L		05/09/13 18:52	jk	EPA 625*	
2,6-Dinitrotoluene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
2-Chloronaphthalene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
2-Chlorophenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
2-Nitrophenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
3,3'-Dichlorobenzidine	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
4,6-Dinitro-2-methylphenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625*	
4-Bromophenylphenyl ether	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
4-Chloro-3-methylphenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
4-Chlorophenylphenyl ether	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
4-Nitrophenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Acenaphthene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Acenaphthylene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Anthracene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS

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Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050388-01**
Sample Description: **MSD Batch 82**

Collect Date: **05/02/13 02:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Azobenzene	< 400 ug/L		05/09/13 18:52	jk	EPA 625*	
Benzidine	< 400 ug/L		05/09/13 18:52	jk	EPA 625*	
Benzo(a)anthracene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Benzo(a)pyrene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Benzo(b&k)fluoranthene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Benzo(b)fluoranthene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Benzo(g,h,i)perylene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Benzo(k)fluoranthene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Bis(2-chloroethyl) ether	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Bis(2-ethylhexyl) phthalate	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Butyl benzyl phthalate	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Chrysene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Dibenzo(a,h)anthracene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Diethyl phthalate	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Dimethyl phthalate	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Di-n-butyl phthalate	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Di-n-octyl phthalate	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Diphenylamine	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Fluoranthene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Fluorene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Hexachlorobenzene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Hexachlorobutadiene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Hexachlorocyclopentadiene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Hexachloroethane	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Indeno(1,2,3-cd)pyrene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Isophorone	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Naphthalene	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Nitrobenzene	459 ug/L		05/09/13 18:52	jk	EPA 625	04KS
N-Nitrosodimethylamine	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
N-Nitrosodi-n-propylamine	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS
Pentachlorophenol	< 400 ug/L		05/09/13 18:52	jk	EPA 625	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050388-01**
Sample Description: **MSD Batch 82**

Collect Date: **05/02/13 02:00**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
Phenanthrene	< 400	ug/L		05/09/13 18:52	jk	EPA 625	04KS
Phenol	3600	ug/L	Xb	05/09/13 18:52	jk	EPA 625	04KS
Pyrene	< 400	ug/L		05/09/13 18:52	jk	EPA 625	04KS
Surrogate: 2-Fluorophenol		*10-35*	*S*	*05/09/13 18:52*	*jk*	*EPA 625*	
Surrogate: Phenol- d5		*10-26*	*S*	*05/09/13 18:52*	*jk*	*EPA 625*	
Surrogate: Nitrobenzene-d5	*146 %*	*22-105*	*S*	*05/09/13 18:52*	*jk*	*EPA 625*	
Surrogate: 2-Fluorobiphenyl	*36 %*	*30-97*	*S*	*05/09/13 18:52*	*jk*	*EPA 625*	
Surrogate: 2,4,6-Tribromophenol		*10-93*	*S*	*05/09/13 18:52*	*jk*	*EPA 625*	
Surrogate: p-Terphenyl-d14	*35 %*	*22-115*	*S*	*05/09/13 18:52*	*jk*	*EPA 625*	
Soluble Metals - STL							
Mercury	< 0.0020	mg/L		05/07/13 13:00	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.062	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Copper	< 0.0020	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Silver	< 0.0020	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.47	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0011	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.041	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Chromium	0.21	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Iron	530	mg/L	B2	05/06/13 19:03	WPS	EPA 200.7 R4.4	04KS
Lead	0.085	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Nickel	0.069	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Selenium	0.056	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Thallium	< 0.020	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Zinc	13	mg/L		05/06/13 19:15	WPS	EPA 200.7 R4.4	04KS
Total Metals - STL							
Mercury	0.016	mg/L		05/07/13 13:00	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.068	mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.54	mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0014	mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.058	mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Chromium	0.23	mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Copper	< 0.0020	mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050388-01**
Sample Description: **MSD Batch 82**

Collect Date: **05/02/13 02:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Total Metals - STL						
Iron	730 mg/L		05/06/13 19:09	WPS	EPA 200.7 R4.4	04KS
Lead	0.15 mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Nickel	0.077 mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Selenium	0.061 mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Silver	0.0021 mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Thallium	< 0.020 mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/06/13 19:21	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
1,1,1-Trichloroethane	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
1,1,2-Trichloroethane	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
1,1-Dichloroethane	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
1,1-Dichloroethene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
1,2-Dichlorobenzene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
1,2-Dichloroethane	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
1,2-Dichloropropane	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
1,4-Dichlorobenzene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Acetone	34000 ug/L		05/03/13 23:37	BP	EPA 624*	
Acrolein	< 500 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Acrylonitrile	< 200 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Benzene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Bromodichloromethane	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Bromoform	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Bromomethane	< 200 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Carbon tetrachloride	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Chlorobenzene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Chloroethane	< 200 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Chloroform	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Chloromethane	< 200 ug/L		05/04/13 01:15	BP	EPA 624	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Dibromochloromethane	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050388-01**
Sample Description: **MSD Batch 82**

Collect Date: **05/02/13 02:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Ethylbenzene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
m,p-Xylene	< 200 ug/L		05/04/13 01:15	BP	EPA 624*	
Methylene chloride	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
o-Xylene	< 100 ug/L		05/04/13 01:15	BP	EPA 624*	
Tetrachloroethene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Toluene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Trichloroethene	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Trichlorofluoromethane	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Vinyl chloride	< 100 ug/L		05/04/13 01:15	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*116 % 65-134*		*05/04/13 01:15*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*102 % 74.2-117*		*05/04/13 01:15*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 % 74.1-125*		*05/04/13 01:15*	*BP*	*EPA 624*	

Sample No: **3050388-02**
Sample Description: **Trip Blank**

Collect Date: **05/02/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,1,1-Trichloroethane	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
1,1,2-Trichloroethane	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
1,1-Dichloroethane	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
1,1-Dichloroethene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
1,2-Dichlorobenzene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
1,2-Dichloroethane	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
1,2-Dichloropropane	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
1,3-Dichlorobenzene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
1,4-Dichlorobenzene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Acetone	< 10 ug/L		05/03/13 21:57	BP	EPA 624*	

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050388-02**
Sample Description: **Trip Blank**

Collect Date: **05/02/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Acrolein	< 25 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Acrylonitrile	< 10 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Benzene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Bromodichloromethane	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Bromoform	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Bromomethane	< 10 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Carbon tetrachloride	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Chlorobenzene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Chloroethane	< 10 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Chloroform	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Chloromethane	< 10 ug/L		05/03/13 21:57	BP	EPA 624	04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Dibromochloromethane	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Ethylbenzene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
m,p-Xylene	< 10 ug/L		05/03/13 21:57	BP	EPA 624*	
Methylene chloride	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
o-Xylene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624*	
Tetrachloroethene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Toluene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Trichloroethene	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Trichlorofluoromethane	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Vinyl chloride	< 5.0 ug/L		05/03/13 21:57	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*104 % 65-134*		*05/03/13 21:57*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*97 % 74.2-117*		*05/03/13 21:57*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*103 % 74.1-125*		*05/03/13 21:57*	*BP*	*EPA 624*	

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307025 - 04-No Prep WC									
Calibration Check (B307025-CCV1)				Prepared & Analyzed: 05/02/13					
pH	H	7.00	pH Units	7.000		100	0-200		
Duplicate (B307025-DUP1)		**Source: 3050342-01**		Prepared & Analyzed: 05/02/13					
pH	H	7.91	pH Units		7.92			0.1	10
Batch B307029 - 04-No Prep WC									
Blank (B307029-BLK1)				Prepared & Analyzed: 05/03/13					
Oil & Grease - total		< 5.0	mg/L						
LCS (B307029-BS1)				Prepared & Analyzed: 05/03/13					
Oil & Grease - total		39.7	mg/L	40.00		99	78-114		
LCS Dup (B307029-BSD1)				Prepared & Analyzed: 05/03/13					
Oil & Grease - total		35.2	mg/L	40.00		88	78-114	12	18
Batch B307043 - 04-No Prep WC									
Blank (B307043-BLK1)				Prepared & Analyzed: 05/03/13					
Solids - total suspended solids (TSS)		< 2.0	mg/L						
LCS (B307043-BS1)				Prepared & Analyzed: 05/03/13					
Solids - total suspended solids (TSS)		102	mg/L	100.0		102	82.9-110		
Duplicate (B307043-DUP1)		**Source: 3050137-01**		Prepared & Analyzed: 05/03/13					
Solids - total suspended solids (TSS)		2.00	mg/L		2.00			0	5
Duplicate (B307043-DUP2)		**Source: 3050299-01**		Prepared & Analyzed: 05/03/13					
Solids - total suspended solids (TSS)		1720	mg/L		1700			1	5
Batch B307063 - 04-No Prep WC									
Blank (B307063-BLK1)				Prepared & Analyzed: 05/03/13					
COD		< 100	mg/L						
Blank (B307063-BLK2)				Prepared & Analyzed: 05/03/13					
COD		< 5.0	mg/L						
LCS (B307063-BS1)				Prepared & Analyzed: 05/03/13					
COD		503	mg/L	500.0		101	95-105		
LCS (B307063-BS2)				Prepared & Analyzed: 05/03/13					
COD		98.8	mg/L	100.0		99	95-105		
Duplicate (B307063-DUP1)		**Source: 3050388-01**		Prepared & Analyzed: 05/03/13					
COD		44100	mg/L		44600			1	20
Duplicate (B307063-DUP2)		**Source: 3050405-01**		Prepared & Analyzed: 05/03/13					

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307063 - 04-No Prep WC								
Duplicate (B307063-DUP2)	**Source: 3050405-01**		Prepared & Analyzed: 05/03/13					
COD	< 5.0	mg/L		ND				20

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307026 - 04-No Prep WC								
Blank (B307026-BLK1)			Prepared & Analyzed: 05/02/13					
Ammonia-N	< 0.010	mg/L						
LCS (B307026-BS1)			Prepared & Analyzed: 05/02/13					
Ammonia-N	10.1	mg/L	10.00		101	80-120		
Matrix Spike (B307026-MS1)	**Source: 3044014-01**		Prepared & Analyzed: 05/02/13					
Ammonia-N	9.88	mg/L	10.00	0.120	98	80-120		
Matrix Spike Dup (B307026-MSD1)	**Source: 3044014-01**		Prepared & Analyzed: 05/02/13					
Ammonia-N	9.92	mg/L	10.00	0.120	98	80-120	0.4	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8								
Blank (B307102-BLK1)			Prepared & Analyzed: 05/06/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
Blank (B307102-BLK2)			Prepared: 05/06/13 Analyzed: 05/08/13					

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Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8									
Blank (B307102-BLK2)				Prepared: 05/06/13 Analyzed: 05/08/13					
Iron		< 0.010	mg/L						
LCS (B307102-BS1)				Prepared & Analyzed: 05/06/13					
Antimony		0.0948	mg/L	0.1000		95	85-115		
Arsenic		0.0890	mg/L	0.1000		89	85-115		
Beryllium		0.114	mg/L	0.1000		114	85-115		
Cadmium		0.102	mg/L	0.1000		102	85-115		
Chromium		0.105	mg/L	0.1000		105	85-115		
Copper		0.104	mg/L	0.1000		104	85-115		
Iron		0.102	mg/L	0.1000		102	85-115		
Lead		0.101	mg/L	0.1000		101	85-115		
Nickel		0.108	mg/L	0.1000		108	85-115		
Selenium		0.104	mg/L	0.1000		104	85-115		
Silver		0.0245	mg/L	0.02500		98	85-115		
Thallium		0.103	mg/L	0.1000		103	85-115		
Zinc		0.104	mg/L	0.1000		104	85-115		
LCS (B307102-BS2)				Prepared: 05/06/13 Analyzed: 05/08/13					
Iron		< 0.010	mg/L				85-115		
Matrix Spike (B307102-MS1)		**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					
Antimony		0.115	mg/L	0.1000	0.00529	110	70-130		
Arsenic	Q1, R	0.0668	mg/L	0.1000	ND	67	70-130		
Beryllium		0.124	mg/L	0.1000	ND	124	70-130		
Cadmium		0.107	mg/L	0.1000	ND	107	70-130		
Chromium		0.377	mg/L	0.1000	0.265	112	70-130		
Copper		0.304	mg/L	0.1000	0.203	102	70-130		
Iron		0.171	mg/L	0.1000	0.0873	83	70-130		
Lead		0.102	mg/L	0.1000	ND	102	70-130		
Nickel		0.804	mg/L	0.1000	0.693	111	70-130		
Selenium		0.148	mg/L	0.1000	0.0249	123	70-130		
Silver		0.0262	mg/L	0.02500	ND	105	70-130		
Thallium		0.0798	mg/L	0.1000	ND	80	70-130		
Zinc		0.155	mg/L	0.1000	0.0389	116	70-130		
Matrix Spike Dup (B307102-MSD1)		**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					
Antimony		0.122	mg/L	0.1000	0.00529	117	70-130	6	20
Arsenic	Q1, R	0.0832	mg/L	0.1000	ND	83	70-130	22	20
Beryllium		0.122	mg/L	0.1000	ND	122	70-130	1	20
Cadmium		0.107	mg/L	0.1000	ND	107	70-130	0.6	20
Chromium		0.375	mg/L	0.1000	0.265	110	70-130	0.5	20
Copper		0.305	mg/L	0.1000	0.203	102	70-130	0.2	20

3050388

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Date Received: 05/02/13 16:55
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Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8								
Matrix Spike Dup (B307102-MSD1)	**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					
Iron	0.168	mg/L	0.1000	0.0873	81	70-130	2	20
Lead	0.101	mg/L	0.1000	ND	101	70-130	0.4	20
Nickel	0.801	mg/L	0.1000	0.693	108	70-130	0.3	20
Selenium	0.147	mg/L	0.1000	0.0249	122	70-130	0.4	20
Silver	0.0265	mg/L	0.02500	ND	106	70-130	1	20
Thallium	0.0804	mg/L	0.1000	ND	80	70-130	0.8	20
Zinc	0.154	mg/L	0.1000	0.0389	115	70-130	0.9	20
Batch B307189 - 04-SW 7470A/245.1								
Blank (B307189-BLK1)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
Blank (B307189-BLK2)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
Blank (B307189-BLK3)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
LCS (B307189-BS1)			Prepared & Analyzed: 05/07/13					
Mercury	0.00222	mg/L	0.002000		111	85-115		
Matrix Spike (B307189-MS1)	**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.00228	mg/L	0.002000	ND	114	70-130		
Matrix Spike (B307189-MS2)	**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.0595	mg/L	0.02000	0.0372	112	70-130		
Matrix Spike Dup (B307189-MSD1)	**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.00219	mg/L	0.002000	ND	110	70-130	4	20
Matrix Spike Dup (B307189-MSD2)	**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.0562	mg/L	0.02000	0.0372	95	70-130	6	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8								
Blank (B307102-BLK2)			Prepared & Analyzed: 05/06/13					
Silver	< 0.0020	mg/L						
Antimony	< 0.010	mg/L						
Copper	< 0.0020	mg/L						

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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8									
Blank (B307102-BLK2)				Prepared & Analyzed: 05/06/13					
Arsenic		< 0.015	mg/L						
Beryllium		< 0.0010	mg/L						
Cadmium		< 0.0020	mg/L						
Chromium		< 0.0020	mg/L						
Iron	B2	0.0179	mg/L						
Lead		< 0.010	mg/L						
Nickel		< 0.0020	mg/L						
Selenium		< 0.010	mg/L						
Thallium		< 0.020	mg/L						
Zinc		< 0.010	mg/L						
LCS (B307102-BS1)				Prepared & Analyzed: 05/06/13					
Antimony		0.0948	mg/L	0.1000		95	85-115		
Silver		0.0245	mg/L	0.02500		98	85-115		
Copper		0.104	mg/L	0.1000		104	85-115		
Arsenic		0.0890	mg/L	0.1000		89	85-115		
Beryllium		0.114	mg/L	0.1000		114	85-115		
Cadmium		0.102	mg/L	0.1000		102	85-115		
Chromium		0.105	mg/L	0.1000		105	85-115		
Iron		0.102	mg/L	0.1000		102	85-115		
Lead		0.101	mg/L	0.1000		101	85-115		
Nickel		0.108	mg/L	0.1000		108	85-115		
Selenium		0.104	mg/L	0.1000		104	85-115		
Thallium		0.103	mg/L	0.1000		103	85-115		
Zinc		0.104	mg/L	0.1000		104	85-115		
Matrix Spike (B307102-MS1)		**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					
Antimony		0.115	mg/L	0.1000	0.00529	110	70-130		
Copper		0.304	mg/L	0.1000	0.203	102	70-130		
Silver		0.0262	mg/L	0.02500	ND	105	70-130		
Arsenic	Q1, R	0.0668	mg/L	0.1000	ND	67	70-130		
Beryllium		0.124	mg/L	0.1000	ND	124	70-130		
Cadmium		0.107	mg/L	0.1000	ND	107	70-130		
Chromium		0.377	mg/L	0.1000	0.265	112	70-130		
Iron		0.171	mg/L	0.1000	0.0873	83	70-130		
Lead		0.102	mg/L	0.1000	ND	102	70-130		
Nickel		0.804	mg/L	0.1000	0.693	111	70-130		
Selenium		0.148	mg/L	0.1000	0.0249	123	70-130		
Thallium		0.0798	mg/L	0.1000	ND	80	70-130		
Zinc		0.155	mg/L	0.1000	0.0389	116	70-130		

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Laboratory Results

Soluble Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8									
Matrix Spike Dup (B307102-MSD1)		**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					
Silver		0.0265	mg/L	0.02500	ND	106	70-130	1	20
Copper		0.305	mg/L	0.1000	0.203	102	70-130	0.2	20
Antimony		0.122	mg/L	0.1000	0.00529	117	70-130	6	20
Arsenic	Q1, R	0.0832	mg/L	0.1000	ND	83	70-130	22	20
Beryllium		0.122	mg/L	0.1000	ND	122	70-130	1	20
Cadmium		0.107	mg/L	0.1000	ND	107	70-130	0.6	20
Chromium		0.375	mg/L	0.1000	0.265	110	70-130	0.5	20
Iron		0.168	mg/L	0.1000	0.0873	81	70-130	2	20
Lead		0.101	mg/L	0.1000	ND	101	70-130	0.4	20
Nickel		0.801	mg/L	0.1000	0.693	108	70-130	0.3	20
Selenium		0.147	mg/L	0.1000	0.0249	122	70-130	0.4	20
Thallium		0.0804	mg/L	0.1000	ND	80	70-130	0.8	20
Zinc		0.154	mg/L	0.1000	0.0389	115	70-130	0.9	20
Batch B307189 - 04-SW 7470A/245.1									
Blank (B307189-BLK1)				Prepared & Analyzed: 05/07/13					
Mercury		< 0.0002	mg/L						
Blank (B307189-BLK2)				Prepared & Analyzed: 05/07/13					
Mercury		< 0.0002	mg/L						
Blank (B307189-BLK3)				Prepared & Analyzed: 05/07/13					
Mercury		< 0.0002	mg/L						
LCS (B307189-BS1)				Prepared & Analyzed: 05/07/13					
Mercury		0.00222	mg/L	0.002000		111	85-115		
Matrix Spike (B307189-MS1)		**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.00228	mg/L	0.002000	ND	114	70-130		
Matrix Spike (B307189-MS2)		**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.0595	mg/L	0.02000	0.0372	112	70-130		
Matrix Spike Dup (B307189-MSD1)		**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.00219	mg/L	0.002000	ND	110	70-130	4	20
Matrix Spike Dup (B307189-MSD2)		**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.0562	mg/L	0.02000	0.0372	95	70-130	6	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
Blank (B307057-BLK1)			Prepared & Analyzed: 05/03/13					
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*31.8*	*ug/L*	*30.00*		*106*	*65-134*		
Surrogate: Toluene-d8	*28.8*	*ug/L*	*30.00*		*96*	*74.2-117*		
Surrogate: Bromofluorobenzene	*30.6*	*ug/L*	*30.00*		*102*	*74.1-125*		

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
LCS (B307057-BS1)			Prepared & Analyzed: 05/03/13					
1,1,1-Trichloroethane	15.7	ug/L	20.00		79	76-131		
1,1,2,2-Tetrachloroethane	18.5	ug/L	20.00		93	79-126		
1,1,2-Trichloroethane	18.7	ug/L	20.00		94	79-123		
1,1-Dichloroethane	19.1	ug/L	20.00		96	74-133		
1,1-Dichloroethene	17.2	ug/L	20.00		86	71-135		
1,2-Dichlorobenzene	16.7	ug/L	20.00		83	76-113		
1,2-Dichloroethane	21.1	ug/L	20.00		105	80-135		
1,2-Dichloropropane	18.6	ug/L	20.00		93	78-127		
1,3-Dichlorobenzene	17.7	ug/L	20.00		88	82-119		
1,4-Dichlorobenzene	16.4	ug/L	20.00		82	78-118		
2-Chloroethylvinyl ether	17.9	ug/L	20.00		89	66-138		
Acrolein	81.3	ug/L	100.0		81	38-156		
Acrylonitrile	18.6	ug/L	20.00		93	43-121		
Benzene	17.2	ug/L	20.00		86	84-114		
Bromodichloromethane	17.6	ug/L	20.00		88	82-116		
Bromoform	18.8	ug/L	20.00		94	65-115		
Bromomethane	21.3	ug/L	20.00		107	28-143		
Carbon tetrachloride	16.1	ug/L	20.00		80	72-131		
Chlorobenzene	16.7	ug/L	20.00		84	82-112		
Chloroethane	13.5	ug/L	20.00		68	41-126		
Chloroform	17.1	ug/L	20.00		85	78-124		
Chloromethane	16.0	ug/L	20.00		80	52-110		
cis-1,3-Dichloropropene	17.3	ug/L	20.00		87	82-116		
Dibromochloromethane	19.0	ug/L	20.00		95	83-119		
Ethylbenzene	17.2	ug/L	20.00		86	85-118		
m,p-Xylene	34.9	ug/L	40.00		87	80-111		
Methylene chloride	18.9	ug/L	20.00		94	78-140		
o-Xylene	16.6	ug/L	20.00		83	81-111		
Tetrachloroethene	15.6	ug/L	20.00		78	65-135		
Toluene	17.2	ug/L	20.00		86	81-120		
trans-1,2-Dichloroethene	16.0	ug/L	20.00		80	70-136		
trans-1,3-Dichloropropene	16.5	ug/L	20.00		82	82-113		
Trichloroethene	17.6	ug/L	20.00		88	84-125		
Trichlorofluoromethane	15.3	ug/L	20.00		77	70-138		
Vinyl chloride	17.6	ug/L	20.00		88	56-112		
Surrogate: 1,2-Dichloroethane-d4	*34.1*	*ug/L*	*30.00*		*114*	*65.3-134*		
Surrogate: Toluene-d8	*30.8*	*ug/L*	*30.00*		*103*	*73.2-119*		
Surrogate: Bromofluorobenzene	*31.2*	*ug/L*	*30.00*		*104*	*77.8-123*		
Matrix Spike (B307057-MS1)	**Source: 3043573-02**		Prepared & Analyzed: 05/03/13					

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307057 - 04-No Prep VOA								
Matrix Spike (B307057-MS1)	**Source: 3043573-02**		Prepared & Analyzed: 05/03/13					
1,1,1-Trichloroethane	14.0	ug/L	20.00	ND	70	58-143		
1,1,2,2-Tetrachloroethane	17.0	ug/L	20.00	ND	85	70-133		
1,1,2-Trichloroethane	16.4	ug/L	20.00	ND	82	73-130		
1,1-Dichloroethane	18.1	ug/L	20.00	ND	90	55-146		
1,1-Dichloroethene	14.4	ug/L	20.00	ND	72	51-150		
1,2-Dichlorobenzene	15.4	ug/L	20.00	ND	77	62-120		
1,2-Dichloroethane	19.2	ug/L	20.00	ND	96	67-143		
1,2-Dichloropropane	17.2	ug/L	20.00	ND	86	66-134		
1,3-Dichlorobenzene	17.0	ug/L	20.00	ND	85	67-124		
1,4-Dichlorobenzene	15.3	ug/L	20.00	ND	77	66-123		
Acrolein	63.7	ug/L	100.0	ND	64	14-156		
Acrylonitrile	12.5	ug/L	20.00	ND	63	46-116		
Benzene	15.6	ug/L	20.00	ND	78	69-126		
Bromodichloromethane	16.9	ug/L	20.00	ND	84	67-128		
Bromoform	15.2	ug/L	20.00	ND	76	42-132		
Bromomethane	7.93	ug/L	20.00	ND	40	5-138		
Carbon tetrachloride	14.6	ug/L	20.00	ND	73	53-151		
Chlorobenzene	15.9	ug/L	20.00	ND	79	67-124		
Chloroethane	12.1	ug/L	20.00	ND	60	35-123		
Chloroform	17.1	ug/L	20.00	ND	86	41-155		
Chloromethane	13.2	ug/L	20.00	ND	66	39-120		
cis-1,3-Dichloropropene	15.5	ug/L	20.00	ND	78	68-126		
Dibromochloromethane	14.8	ug/L	20.00	ND	74	68-131		
Ethylbenzene	15.5	ug/L	20.00	ND	77	68-128		
m,p-Xylene	31.5	ug/L	40.00	ND	79	64-122		
Methylene chloride	18.8	ug/L	20.00	ND	94	70-150		
o-Xylene	15.5	ug/L	20.00	ND	77	65-122		
Tetrachloroethene	12.6	ug/L	20.00	ND	63	42-132		
Toluene	15.2	ug/L	20.00	ND	76	64-137		
trans-1,2-Dichloroethene	15.5	ug/L	20.00	ND	77	57-145		
trans-1,3-Dichloropropene	13.4	ug/L	20.00	ND	67	66-121		
Trichloroethene	14.7	ug/L	20.00	ND	74	69-131		
Trichlorofluoromethane	12.1	ug/L	20.00	ND	61	36-162		
Vinyl chloride	15.3	ug/L	20.00	ND	77	24-137		
Surrogate: 1,2-Dichloroethane-d4	*30.3*	*ug/L*	*30.00*		*101*	*63.3-137*		
Surrogate: Toluene-d8	*29.5*	*ug/L*	*30.00*		*98*	*71-122*		
Surrogate: Bromofluorobenzene	*30.2*	*ug/L*	*30.00*		*101*	*74.6-123*		

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Date Received: 05/02/13 16:55
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Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)								
Blank (B306916-BLK1)			Prepared: 05/06/13 Analyzed: 05/07/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)								
Blank (B306916-BLK1)			Prepared: 05/06/13 Analyzed: 05/07/13					
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	*48*	*ug/L*	*80.00*		*60*	*52.2-99.4*		
Surrogate: Phenol- d5	*51*	*ug/L*	*80.00*		*64*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*51*	*ug/L*	*80.00*		*63*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl	*51*	*ug/L*	*80.00*		*64*	*58-107*		
Surrogate: 2,4,6-Tribromophenol	*43*	*ug/L*	*80.00*		*53*	*37.6-118*		
Surrogate: p-Terphenyl-d14	*50*	*ug/L*	*80.00*		*62*	*42.1-123*		
LCS (B306916-BS1)			Prepared: 05/06/13 Analyzed: 05/07/13					
1,2,4-Trichlorobenzene	47	ug/L	80.00		59	56-88		
1,2-Dichlorobenzene	49	ug/L	80.00		61	56-86		
1,3-Dichlorobenzene	47	ug/L	80.00		59	54-84		
1,4-Dichlorobenzene	47	ug/L	80.00		59	55-87		
2,4,5-Trichlorophenol	55	ug/L	80.00		69	54-107		

3050388

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: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)								
LCS (B306916-BS1)			Prepared: 05/06/13 Analyzed: 05/07/13					
2,4,6-Trichlorophenol	56	ug/L	80.00		70	53-108		
2,4-Dichlorophenol	52	ug/L	80.00		65	57-100		
2,4-Dimethylphenol	54	ug/L	80.00		68	58-99		
2,4-Dinitrophenol	59	ug/L	80.00		74	41-122		
2,4-Dinitrotoluene	50	ug/L	80.00		63	46-100		
2,6-Dimethylaniline	46	ug/L				56-92		
2,6-Dinitrotoluene	50	ug/L	80.00		62	53-100		
2-Chloronaphthalene	49	ug/L	80.00		61	54-90		
2-Chlorophenol	54	ug/L	80.00		68	59-97		
2-Methylnaphthalene	48	ug/L				51-95		
2-Methylphenol	57	ug/L	80.00		71	56-107		
2-Nitroaniline	47	ug/L				51-97		
2-Nitrophenol	54	ug/L	80.00		67	56-105		
3- & 4-Methylphenol	54	ug/L	80.00		68	56-100		
3,3'-Dichlorobenzidine	60	ug/L	80.00		75	50-107		
3-Nitroaniline	44	ug/L				54-93		
4,6-Dinitro-2-methylphenol	59	ug/L	80.00		73	51-102		
4-Bromophenylphenyl ether	48	ug/L	80.00		60	52-97		
4-Chloro-3-methylphenol	54	ug/L	80.00		67	58-102		
4-Chloroaniline	45	ug/L				59-89		
4-Chlorophenylphenyl ether	49	ug/L	80.00		62	52-98		
4-Nitroaniline	47	ug/L				58-88		
4-Nitrophenol	57	ug/L	80.00		71	47-114		
Acenaphthene	50	ug/L	80.00		62	54-93		
Acenaphthylene	50	ug/L	80.00		62	56-93		
Aniline	46	ug/L				53-96		
Anthracene	52	ug/L	80.00		65	57-94		
Azobenzene	50	ug/L	80.00		62	44-98		
Benzidine	17	ug/L	80.00		21	10-68		
Benzo(a)anthracene	50	ug/L	80.00		62	45-94		
Benzo(a)pyrene	54	ug/L	80.00		67	50-111		
Benzo(b&k)fluoranthene	106	ug/L	160.0		66	52-102		
Benzo(b)fluoranthene	57	ug/L	80.00		71	50-108		
Benzo(g,h,i)perylene	63	ug/L	80.00		79	45-102		
Benzo(k)fluoranthene	59	ug/L	80.00		74	50-98		
Benzoic Acid	64	ug/L	80.00		80	43-117		
Benzyl alcohol	48	ug/L				53-92		
Bis(2-chloroethoxy) methane	47	ug/L	80.00		59	52-89		
Bis(2-chloroethyl) ether	45	ug/L	80.00		57	55-88		

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Bridgeton Landfill
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St. Louis, MO 63044
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Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)									
LCS (B306916-BS1)				Prepared: 05/06/13 Analyzed: 05/07/13					
Bis(2-chloroisopropyl) ether		49	ug/L	80.00		62	37-81		
Bis(2-ethylhexyl) phthalate		51	ug/L	80.00		64	44-97		
Butyl benzyl phthalate		52	ug/L	80.00		65	44-96		
Carbazole		44	ug/L				57-88		
Chrysene		54	ug/L	80.00		67	50-100		
Dibenzo(a,h)anthracene		63	ug/L	80.00		79	53-99		
Dibenzofuran		48	ug/L				58-91		
Diethyl phthalate		48	ug/L	80.00		60	53-92		
Dimethyl phthalate		50	ug/L	80.00		62	53-93		
Di-n-butyl phthalate		47	ug/L	80.00		59	55-96		
Di-n-octyl phthalate		53	ug/L	80.00		66	42-110		
Diphenylamine		60	ug/L	80.00		75	49-97		
Fluoranthene		48	ug/L	80.00		60	56-92		
Fluorene		49	ug/L	80.00		61	52-97		
Hexachlorobenzene		48	ug/L	80.00		60	51-98		
Hexachlorobutadiene		45	ug/L	80.00		56	54-92		
Hexachlorocyclopentadiene		31	ug/L	80.00		38	27-85		
Hexachloroethane		47	ug/L	80.00		59	56-83		
Indeno(1,2,3-cd)pyrene		62	ug/L	80.00		78	50-106		
Isophorone		44	ug/L	80.00		55	52-85		
Naphthalene		49	ug/L	80.00		61	59-87		
Nitrobenzene		47	ug/L	80.00		59	48-95		
N-Nitrosodimethylamine		46	ug/L	80.00		58	53-90		
N-Nitrosodi-n-propylamine		46	ug/L	80.00		57	47-87		
Pentachlorophenol		57	ug/L	80.00		72	49-128		
Phenanthrene		50	ug/L	80.00		63	55-95		
Phenol		51	ug/L	80.00		63	55-96		
Pyrene		58	ug/L	80.00		72	51-98		
Pyridine		42	ug/L				44-89		
1,4-Dichlorobenzene-d4		40	ug/L				0-200		
Naphthalene-d8		40	ug/L				0-200		
Acenaphthene-d10		40	ug/L				0-200		
Phenanthrene-d10		40	ug/L				0-200		
Chrysene-d12		40	ug/L				0-200		
Perylene-d12		40	ug/L				0-200		
Surrogate: 2-Fluorophenol		*48*	*ug/L*	*80.00*		*61*	*52.2-99.4*		
Surrogate: Phenol- d5		*51*	*ug/L*	*80.00*		*64*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*Xa*	*45*	*ug/L*	*80.00*		*57*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl		*49*	*ug/L*	*80.00*		*61*	*58-107*		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)									
LCS (B306916-BS1)				Prepared: 05/06/13 Analyzed: 05/07/13					
Surrogate: 2,4,6-Tribromophenol		*50*	*ug/L*	*80.00*		*63*	*37.6-118*		
Surrogate: p-Terphenyl-d14		*45*	*ug/L*	*80.00*		*57*	*42.1-123*		
Matrix Spike (B306916-MS1)		**Source: 3050344-01**		Prepared: 05/06/13 Analyzed: 05/09/13					
1,2,4-Trichlorobenzene		39	ug/L	80.00	ND	49	36-94		
1,2-Dichlorobenzene		38	ug/L	80.00	ND	48	17-110		
1,3-Dichlorobenzene		36	ug/L	80.00	ND	45	27-89		
1,4-Dichlorobenzene		38	ug/L	80.00	ND	48	34-87		
2,4,5-Trichlorophenol		38	ug/L	80.00	ND	48	15-100		
2,4,6-Trichlorophenol		39	ug/L	80.00	ND	49	22-101		
2,4-Dichlorophenol		32	ug/L	80.00	ND	40	10-100		
2,4-Dimethylphenol		29	ug/L	80.00	ND	36	10-94		
2,4-Dinitrophenol		32	ug/L	80.00	ND	40	10-117		
2,4-Dinitrotoluene		38	ug/L	80.00	ND	48	34-99		
2,6-Dimethylaniline		14	ug/L		ND		10-76		
2,6-Dinitrotoluene		40	ug/L	80.00	ND	50	39-101		
2-Chloronaphthalene		40	ug/L	80.00	ND	50	39-94		
2-Chlorophenol		24	ug/L	80.00	ND	30	12-79		
2-Methylnaphthalene		46	ug/L		ND		38-98		
2-Methylphenol		22	ug/L	80.00	ND	27	10-98		
2-Nitroaniline		38	ug/L		ND		39-95		
2-Nitrophenol		35	ug/L	80.00	ND	44	16-102		
3- & 4-Methylphenol		31	ug/L	80.00	9	28	10-87		
3,3'-Dichlorobenzidine		28	ug/L	80.00	ND	36	10-112		
3-Nitroaniline		22	ug/L		ND		10-87		
4,6-Dinitro-2-methylphenol		27	ug/L	80.00	ND	33	10-113		
4-Bromophenylphenyl ether		42	ug/L	80.00	ND	52	38-103		
4-Chloro-3-methylphenol		30	ug/L	80.00	ND	38	10-90		
4-Chloroaniline		9	ug/L		ND		10-75		
4-Chlorophenylphenyl ether		43	ug/L	80.00	ND	54	40-101		
4-Nitroaniline		33	ug/L		ND		10-104		
4-Nitrophenol	Q1	< 20.0	ug/L	80.00	ND		10-72		
Acenaphthene		42	ug/L	80.00	ND	53	41-98		
Acenaphthylene		43	ug/L	80.00	ND	53	41-98		
Aniline		7	ug/L		ND		10-81		
Anthracene		46	ug/L	80.00	ND	58	40-102		
Azobenzene		39	ug/L	80.00	ND	49	36-100		
Benzidine	Q1	86	ug/L	80.00	149	NR	10-55		
Benzo(a)anthracene		43	ug/L	80.00	ND	54	34-99		
Benzo(a)pyrene		45	ug/L	80.00	ND	56	39-114		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/02/13 16:55
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)									
Matrix Spike (B306916-MS1)		**Source: 3050344-01**		Prepared: 05/06/13 Analyzed: 05/09/13					
Benzo(b&k)fluoranthene		90	ug/L	160.0	ND	56	37-112		
Benzo(b)fluoranthene		42	ug/L	80.00	ND	52	33-128		
Benzo(g,h,i)perylene		53	ug/L	80.00	ND	66	25-106		
Benzo(k)fluoranthene		41	ug/L	80.00	ND	51	33-104		
Benzoic Acid		77	ug/L	80.00	47	39	10-62		
Benzyl alcohol		109	ug/L		68		10-85		
Bis(2-chloroethoxy) methane		33	ug/L	80.00	ND	41	28-91		
Bis(2-chloroethyl) ether		30	ug/L	80.00	ND	37	10-109		
Bis(2-chloroisopropyl) ether		39	ug/L	80.00	ND	48	10-105		
Bis(2-ethylhexyl) phthalate		84	ug/L	80.00	51	41	32-106		
Butyl benzyl phthalate		50	ug/L	80.00	ND	63	32-98		
Carbazole		53	ug/L		ND		50-97		
Chrysene		46	ug/L	80.00	ND	57	40-104		
Dibenzo(a,h)anthracene		52	ug/L	80.00	ND	64	32-104		
Dibenzofuran		47	ug/L		ND		29-117		
Diethyl phthalate		41	ug/L	80.00	ND	51	36-99		
Dimethyl phthalate		37	ug/L	80.00	ND	47	30-94		
Di-n-butyl phthalate		39	ug/L	80.00	ND	48	42-101		
Di-n-octyl phthalate		49	ug/L	80.00	ND	61	30-123		
Diphenylamine		52	ug/L	80.00	ND	65	23-110		
Fluoranthene		41	ug/L	80.00	ND	52	39-100		
Fluorene		44	ug/L	80.00	ND	55	40-100		
Hexachlorobenzene		40	ug/L	80.00	ND	50	35-104		
Hexachlorobutadiene		37	ug/L	80.00	ND	47	32-99		
Hexachlorocyclopentadiene		15	ug/L	80.00	ND	19	10-90		
Hexachloroethane		25	ug/L	80.00	ND	31	15-102		
Indeno(1,2,3-cd)pyrene		50	ug/L	80.00	ND	63	32-108		
Isophorone		30	ug/L	80.00	ND	38	29-85		
Naphthalene		41	ug/L	80.00	ND	51	38-97		
Nitrobenzene		34	ug/L	80.00	ND	43	22-102		
N-Nitrosodimethylamine		9	ug/L	80.00	ND	11	10-60		
N-Nitrosodi-n-propylamine		29	ug/L	80.00	ND	36	10-110		
Pentachlorophenol		60	ug/L	80.00	ND	75	11-127		
Phenanthrene		44	ug/L	80.00	ND	55	39-101		
Phenol	Q1	< 20.0	ug/L	80.00	ND		10-39		
Pyrene		40	ug/L	80.00	ND	50	38-106		
Pyridine		4	ug/L		ND		10-23		
1,4-Dichlorobenzene-d4		80	ug/L				0-200		
Naphthalene-d8		80	ug/L				0-200		

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B306916 - 04 SW 3510 (625/8270)									
Matrix Spike (B306916-MS1)		**Source: 3050344-01**		Prepared: 05/06/13 Analyzed: 05/09/13					
Acenaphthene-d10		80	ug/L				0-200		
Phenanthrene-d10		80	ug/L				0-200		
Chrysene-d12		80	ug/L				0-200		
Perylene-d12		80	ug/L				0-200		
Surrogate: 2-Fluorophenol	*X*	*6.9*	*ug/L*	*80.00*		*9*	*10-35*		
Surrogate: Phenol- d5	*X*	*5.6*	*ug/L*	*80.00*		*7*	*10-26*		
Surrogate: Nitrobenzene-d5		*28*	*ug/L*	*80.00*		*35*	*22-105*		
Surrogate: 2-Fluorobiphenyl		*41*	*ug/L*	*80.00*		*51*	*30-97*		
Surrogate: 2,4,6-Tribromophenol	*X*	*16*	*ug/L*	*80.00*		*21*	*10-93*		
Surrogate: p-Terphenyl-d14		*42*	*ug/L*	*80.00*		*53*	*22-115*		

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

Xb The intensity of a secondary ion exceeds the relative intensity in the reference spectra.
Xa Low nitrobenzened5 surrogate recovery in the BS.
X Low acid surrogate, due to matrix.
S Surrogate compound diluted below a reliable quantitation level.
R MS/MSD Failed %RPD
Q1 MS Failed %R
H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.
B2 Contamination does not impact data since sample result is greater than ten times the contamination level.

Roxann Shull

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: Bridgeton L.F.	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 St. Charles Rock Road	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: Bridgeton, MO 63044	SAMPLER: Scott C. Fedak		
CONTACT PERSON: Ed Galbraith, Scott C. Fedak	SAMPLER'S SIGNATURE: Scott C. Fedak		

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN #: 3050588
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD (410.4/5220C)	TSS (2540 D)	NH_3 as N (350.1 Rev.2)	pH (150.1) Oil & Grease (1664 Rev.A)	VOCs (624)	SVOCs (625)	Total + Dissolved Metals (200.7, 335.4, 245.1)	REMARKS
BATCH 82 - MSD	5/2/13	0200	X		L'CHT	8	X	X	X	X	X	X	X	
Trip Blank	--	--	--	--	--	~~2~~ SCF					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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/2/13	16:30	Heather Lockhart	5/2/13	16:30
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	9.3 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 12:57
Report Date: 05/08/13
Customer #: 277310

Laboratory Results

Sample No: **3050469-01**
Sample Description: **MSD Batch 86-BOD**

Collect Date: **05/02/13 17:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
BOD	36000 mg/L		05/03/13 14:00	DAW	SM 5210B 18Ed	04KS

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Date Received: 05/03/13 12:57
Report Date: 05/08/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307064 - 04-No Prep WC								
Blank (B307064-BLK1)			Prepared & Analyzed: 05/03/13					
BOD	< 6.0	mg/L						
LCS (B307064-BS1)			Prepared & Analyzed: 05/03/13					
BOD	220	mg/L	198.0		111	34.6-115.4		
Duplicate (B307064-DUP1)	**Source: 3050342-05**		Prepared & Analyzed: 05/03/13					
BOD	< 6.0	mg/L		ND				20

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Date Received: 05/03/13 12:57
Report Date: 05/08/13
Customer #: 277310

Laboratory Results

Notes

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

Certified by: Roxann Shull, Client Services Supervisor

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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: Bridgeton L.F.	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 St. Charles Rock Rd.	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: Bridgeton, MO 63044	SAMPLER: Scott C. Fedak		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, NAL-NONAQUEOUS, SOIL-SOILS
CONTACT PERSON: Ed Galbraith / Scott C. Fedak	SAMPLER'S SIGNATURE: Scott C. Fedak		

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 3050469
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	BOD (5310B)							REMARKS
BATCH 86 - MSD	5/2/13		X		L'CHT	1	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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/3/13	12:15	Heather Caulect	5/3/13	12:15
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	2.8 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050470-01**
Sample Description: **MSD Batch 86**

Collect Date: **05/02/13 17:30**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	51000	mg/L		05/03/13 15:40	DAW	SM 5220D 18Ed	04KS
Oil & Grease - total	< 43	mg/L		05/06/13 09:00	mep	EPA 1664A	04KS
pH	5.7	pH Units	H	05/03/13 13:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1000	mg/L		05/06/13 11:45	DAW	SM 2540D 18Ed	04KS
Nutrients - STL							
Ammonia-N	660	mg/L		05/07/13 12:00	ACV	SM(18) 4500 NH3 F	04KS
Semivolatile Organics - STL							
1,2,4-Trichlorobenzene	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
1,2-Dichlorobenzene	< 400	ug/L		05/09/13 19:35	jk	EPA 625*	
1,3-Dichlorobenzene	< 400	ug/L		05/09/13 19:35	jk	EPA 625*	
1,4-Dichlorobenzene	< 400	ug/L		05/09/13 19:35	jk	EPA 625*	
2,4,5-Trichlorophenol	< 400	ug/L		05/09/13 19:35	jk	EPA 625*	
2,4,6-Trichlorophenol	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
2,4-Dichlorophenol	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
2,4-Dimethylphenol	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
2,4-Dinitrophenol	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
2,4-Dinitrotoluene	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
2,6-Dimethylaniline	< 200	ug/L		05/09/13 19:35	jk	EPA 625*	
2,6-Dinitrotoluene	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
2-Chloronaphthalene	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
2-Chlorophenol	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
2-Nitrophenol	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
3,3'-Dichlorobenzidine	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
4,6-Dinitro-2-methylphenol	< 400	ug/L		05/09/13 19:35	jk	EPA 625*	
4-Bromophenylphenyl ether	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
4-Chloro-3-methylphenol	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
4-Chlorophenylphenyl ether	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
4-Nitrophenol	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
Acenaphthene	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
Acenaphthylene	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
Anthracene	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050470-01**
Sample Description: **MSD Batch 86**

Collect Date: **05/02/13 17:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Azobenzene	< 400 ug/L		05/09/13 19:35	jk	EPA 625*	
Benzidine	< 400 ug/L		05/09/13 19:35	jk	EPA 625*	
Benzo(a)anthracene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Benzo(a)pyrene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Benzo(b&k)fluoranthene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Benzo(b)fluoranthene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Benzo(g,h,i)perylene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Benzo(k)fluoranthene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Bis(2-chloroethyl) ether	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Bis(2-ethylhexyl) phthalate	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Butyl benzyl phthalate	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Chrysene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Dibenzo(a,h)anthracene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Diethyl phthalate	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Dimethyl phthalate	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Di-n-butyl phthalate	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Di-n-octyl phthalate	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Diphenylamine	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Fluoranthene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Fluorene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Hexachlorobenzene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Hexachlorobutadiene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Hexachlorocyclopentadiene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Hexachloroethane	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Indeno(1,2,3-cd)pyrene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Isophorone	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Naphthalene	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Nitrobenzene	528 ug/L		05/09/13 19:35	jk	EPA 625	04KS
N-Nitrosodimethylamine	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
N-Nitrosodi-n-propylamine	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS
Pentachlorophenol	< 400 ug/L		05/09/13 19:35	jk	EPA 625	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050470-01**
Sample Description: **MSD Batch 86**

Collect Date: **05/02/13 17:30**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
Phenanthrene	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
Phenol	4280	ug/L	Xb	05/09/13 19:35	jk	EPA 625	04KS
Pyrene	< 400	ug/L		05/09/13 19:35	jk	EPA 625	04KS
Surrogate: 2-Fluorophenol	*43 %*	*10-35*	*S*	*05/09/13 19:35*	*jk*	*EPA 625*	
Surrogate: Phenol- d5	*30 %*	*10-26*	*S*	*05/09/13 19:35*	*jk*	*EPA 625*	
Surrogate: Nitrobenzene-d5	*49 %*	*22-105*	*S*	*05/09/13 19:35*	*jk*	*EPA 625*	
Surrogate: 2-Fluorobiphenyl	*32 %*	*30-97*	*S*	*05/09/13 19:35*	*jk*	*EPA 625*	
Surrogate: 2,4,6-Tribromophenol	*12 %*	*10-93*	*S*	*05/09/13 19:35*	*jk*	*EPA 625*	
Surrogate: p-Terphenyl-d14	*30 %*	*22-115*	*S*	*05/09/13 19:35*	*jk*	*EPA 625*	
Soluble Metals - STL							
Mercury	0.045	mg/L		05/07/13 13:00	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.081	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Copper	< 0.0020	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Silver	0.0020	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.49	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0013	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.054	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Chromium	0.22	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Iron	730	mg/L	B2	05/07/13 14:35	WPS	EPA 200.7 R4.4	04KS
Lead	0.10	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Nickel	0.079	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Selenium	0.061	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Thallium	< 0.020	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Zinc	12	mg/L		05/06/13 20:31	WPS	EPA 200.7 R4.4	04KS
Total Metals - STL							
Mercury	0.045	mg/L		05/07/13 13:00	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.081	mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.54	mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0017	mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.067	mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Chromium	0.25	mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Copper	< 0.0020	mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050470-01**
Sample Description: **MSD Batch 86**

Collect Date: **05/02/13 17:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Total Metals - STL						
Iron	860 mg/L		05/07/13 14:43	WPS	EPA 200.7 R4.4	04KS
Lead	0.16 mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Nickel	0.085 mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Selenium	0.055 mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Silver	< 0.0020 mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Thallium	< 0.020 mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Zinc	13 mg/L		05/06/13 20:37	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
1,1,1-Trichloroethane	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
1,1,2-Trichloroethane	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
1,1-Dichloroethane	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
1,1-Dichloroethene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
1,2-Dichlorobenzene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
1,2-Dichloroethane	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
1,2-Dichloropropane	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
1,4-Dichlorobenzene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Acetone	91000 ug/L		05/07/13 16:37	BP	EPA 624*	
Acrolein	< 500 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Acrylonitrile	< 200 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Benzene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Bromodichloromethane	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Bromoform	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Bromomethane	< 200 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Carbon tetrachloride	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Chlorobenzene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Chloroethane	< 200 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Chloroform	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Chloromethane	< 200 ug/L		05/07/13 17:52	BP	EPA 624	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Dibromochloromethane	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050470-01**
Sample Description: **MSD Batch 86**

Collect Date: **05/02/13 17:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Ethylbenzene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
m,p-Xylene	< 200 ug/L		05/07/13 17:52	BP	EPA 624*	
Methylene chloride	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
o-Xylene	< 100 ug/L		05/07/13 17:52	BP	EPA 624*	
Tetrachloroethene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Toluene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Trichloroethene	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Trichlorofluoromethane	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Vinyl chloride	< 100 ug/L		05/07/13 17:52	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*103 % 65-134*		*05/07/13 17:52*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/07/13 17:52*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*98 % 74.1-125*		*05/07/13 17:52*	*BP*	*EPA 624*	

Sample No: **3050470-02**
Sample Description: **Trip Blank**

Collect Date: **05/02/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,1,1-Trichloroethane	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
1,1,2-Trichloroethane	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
1,1-Dichloroethane	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
1,1-Dichloroethene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
1,2-Dichlorobenzene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
1,2-Dichloroethane	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
1,2-Dichloropropane	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
1,3-Dichlorobenzene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
1,4-Dichlorobenzene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Acetone	< 10 ug/L		05/07/13 12:00	BP	EPA 624*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050470-02**
Sample Description: **Trip Blank**

Collect Date: **05/02/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Acrolein	< 25 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Acrylonitrile	< 10 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Benzene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Bromodichloromethane	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Bromoform	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Bromomethane	< 10 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Carbon tetrachloride	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Chlorobenzene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Chloroethane	< 10 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Chloroform	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Chloromethane	< 10 ug/L		05/07/13 12:00	BP	EPA 624	04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Dibromochloromethane	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Ethylbenzene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
m,p-Xylene	< 10 ug/L		05/07/13 12:00	BP	EPA 624*	
Methylene chloride	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
o-Xylene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624*	
Tetrachloroethene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Toluene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Trichloroethene	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Trichlorofluoromethane	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Vinyl chloride	< 5.0 ug/L		05/07/13 12:00	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*108 % 65-134*		*05/07/13 12:00*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/07/13 12:00*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*104 % 74.1-125*		*05/07/13 12:00*	*BP*	*EPA 624*	

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307063 - 04-No Prep WC									
Blank (B307063-BLK1)				Prepared & Analyzed: 05/03/13					
COD		< 100	mg/L						
Blank (B307063-BLK2)				Prepared & Analyzed: 05/03/13					
COD		< 5.0	mg/L						
LCS (B307063-BS1)				Prepared & Analyzed: 05/03/13					
COD		503	mg/L	500.0		101	95-105		
LCS (B307063-BS2)				Prepared & Analyzed: 05/03/13					
COD		98.8	mg/L	100.0		99	95-105		
Duplicate (B307063-DUP1)		**Source: 3050388-01**		Prepared & Analyzed: 05/03/13					
COD		44100	mg/L		44600			1	20
Duplicate (B307063-DUP2)		**Source: 3050405-01**		Prepared & Analyzed: 05/03/13					
COD		< 5.0	mg/L		ND				20
Batch B307100 - 04-No Prep WC									
Blank (B307100-BLK1)				Prepared & Analyzed: 05/06/13					
Oil & Grease - total		< 5.0	mg/L						
LCS (B307100-BS1)				Prepared & Analyzed: 05/06/13					
Oil & Grease - total		39.2	mg/L	40.00		98	78-114		
LCS Dup (B307100-BSD1)				Prepared & Analyzed: 05/06/13					
Oil & Grease - total		38.7	mg/L	40.00		97	78-114	1	18
Duplicate (B307100-DUP1)		**Source: 3050467-01**		Prepared & Analyzed: 05/06/13					
Oil & Grease - total		< 5.6	mg/L		1.43				200
Duplicate (B307100-DUP2)		**Source: 3050467-02**		Prepared & Analyzed: 05/06/13					
Oil & Grease - total		< 5.7	mg/L		ND				200
Batch B307134 - 04-No Prep WC									
Calibration Check (B307134-CCV1)				Prepared & Analyzed: 05/03/13					
pH	H	7.00	pH Units	7.000		100	0-200		
Duplicate (B307134-DUP1)		**Source: 3050470-01**		Prepared & Analyzed: 05/03/13					
pH	H	5.68	pH Units		5.67			0.2	10
Batch B307136 - 04-No Prep WC									
Blank (B307136-BLK1)				Prepared & Analyzed: 05/06/13					
Solids - total suspended solids (TSS)		< 2.0	mg/L						
LCS (B307136-BS1)				Prepared & Analyzed: 05/06/13					

3050470

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
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Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307136 - 04-No Prep WC								
LCS (B307136-BS1)			Prepared & Analyzed: 05/06/13					
Solids - total suspended solids (TSS)	97.0	mg/L	100.0		97	82.9-110		
Duplicate (B307136-DUP1)	**Source: 3050405-01**		Prepared & Analyzed: 05/06/13					
Solids - total suspended solids (TSS)	1.20	mg/L		1.20			0	5
Duplicate (B307136-DUP2)	**Source: 3050547-01**		Prepared & Analyzed: 05/06/13					
Solids - total suspended solids (TSS)	1360	mg/L		1380			1	5

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307237 - 04-No Prep WC								
Blank (B307237-BLK1)			Prepared & Analyzed: 05/07/13					
Ammonia-N	< 0.010	mg/L						
LCS (B307237-BS1)			Prepared & Analyzed: 05/07/13					
Ammonia-N	10.0	mg/L	10.00		100	80-120		
Matrix Spike (B307237-MS1)	**Source: 3050531-03**		Prepared & Analyzed: 05/07/13					
Ammonia-N	9.82	mg/L	10.00	ND	98	80-120		
Matrix Spike Dup (B307237-MSD1)	**Source: 3050531-03**		Prepared & Analyzed: 05/07/13					
Ammonia-N	9.73	mg/L	10.00	ND	97	80-120	0.9	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8								
Blank (B307102-BLK1)			Prepared & Analyzed: 05/06/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						

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Total Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8									
Blank (B307102-BLK1)				Prepared & Analyzed: 05/06/13					
Selenium		< 0.010	mg/L						
Silver		< 0.0020	mg/L						
Thallium		< 0.020	mg/L						
Zinc		< 0.010	mg/L						
Blank (B307102-BLK2)				Prepared: 05/06/13 Analyzed: 05/08/13					
Iron		< 0.010	mg/L						
LCS (B307102-BS1)				Prepared & Analyzed: 05/06/13					
Antimony		0.0948	mg/L	0.1000		95	85-115		
Arsenic		0.0890	mg/L	0.1000		89	85-115		
Beryllium		0.114	mg/L	0.1000		114	85-115		
Cadmium		0.102	mg/L	0.1000		102	85-115		
Chromium		0.105	mg/L	0.1000		105	85-115		
Copper		0.104	mg/L	0.1000		104	85-115		
Iron		0.102	mg/L	0.1000		102	85-115		
Lead		0.101	mg/L	0.1000		101	85-115		
Nickel		0.108	mg/L	0.1000		108	85-115		
Selenium		0.104	mg/L	0.1000		104	85-115		
Silver		0.0245	mg/L	0.02500		98	85-115		
Thallium		0.103	mg/L	0.1000		103	85-115		
Zinc		0.104	mg/L	0.1000		104	85-115		
LCS (B307102-BS2)				Prepared: 05/06/13 Analyzed: 05/08/13					
Iron		< 0.010	mg/L				85-115		
Matrix Spike (B307102-MS1)		**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					
Antimony		0.115	mg/L	0.1000	0.00529	110	70-130		
Arsenic	Q1, R	0.0668	mg/L	0.1000	ND	67	70-130		
Beryllium		0.124	mg/L	0.1000	ND	124	70-130		
Cadmium		0.107	mg/L	0.1000	ND	107	70-130		
Chromium		0.377	mg/L	0.1000	0.265	112	70-130		
Copper		0.304	mg/L	0.1000	0.203	102	70-130		
Iron		0.171	mg/L	0.1000	0.0873	83	70-130		
Lead		0.102	mg/L	0.1000	ND	102	70-130		
Nickel		0.804	mg/L	0.1000	0.693	111	70-130		
Selenium		0.148	mg/L	0.1000	0.0249	123	70-130		
Silver		0.0262	mg/L	0.02500	ND	105	70-130		
Thallium		0.0798	mg/L	0.1000	ND	80	70-130		
Zinc		0.155	mg/L	0.1000	0.0389	116	70-130		
Matrix Spike Dup (B307102-MSD1)		**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					

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Laboratory Results

Total Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8									
Matrix Spike Dup (B307102-MSD1)		**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					
Antimony		0.122	mg/L	0.1000	0.00529	117	70-130	6	20
Arsenic	Q1, R	0.0832	mg/L	0.1000	ND	83	70-130	22	20
Beryllium		0.122	mg/L	0.1000	ND	122	70-130	1	20
Cadmium		0.107	mg/L	0.1000	ND	107	70-130	0.6	20
Chromium		0.375	mg/L	0.1000	0.265	110	70-130	0.5	20
Copper		0.305	mg/L	0.1000	0.203	102	70-130	0.2	20
Iron		0.168	mg/L	0.1000	0.0873	81	70-130	2	20
Lead		0.101	mg/L	0.1000	ND	101	70-130	0.4	20
Nickel		0.801	mg/L	0.1000	0.693	108	70-130	0.3	20
Selenium		0.147	mg/L	0.1000	0.0249	122	70-130	0.4	20
Silver		0.0265	mg/L	0.02500	ND	106	70-130	1	20
Thallium		0.0804	mg/L	0.1000	ND	80	70-130	0.8	20
Zinc		0.154	mg/L	0.1000	0.0389	115	70-130	0.9	20
Batch B307189 - 04-SW 7470A/245.1									
Blank (B307189-BLK1)				Prepared & Analyzed: 05/07/13					
Mercury		< 0.0002	mg/L						
Blank (B307189-BLK2)				Prepared & Analyzed: 05/07/13					
Mercury		< 0.0002	mg/L						
Blank (B307189-BLK3)				Prepared & Analyzed: 05/07/13					
Mercury		< 0.0002	mg/L						
LCS (B307189-BS1)				Prepared & Analyzed: 05/07/13					
Mercury		0.00222	mg/L	0.002000		111	85-115		
Matrix Spike (B307189-MS1)		**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.00228	mg/L	0.002000	ND	114	70-130		
Matrix Spike (B307189-MS2)		**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.0595	mg/L	0.02000	0.0372	112	70-130		
Matrix Spike Dup (B307189-MSD1)		**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.00219	mg/L	0.002000	ND	110	70-130	4	20
Matrix Spike Dup (B307189-MSD2)		**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.0562	mg/L	0.02000	0.0372	95	70-130	6	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

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Laboratory Results

Soluble Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8									
Blank (B307102-BLK2)				Prepared & Analyzed: 05/06/13					
Silver		< 0.0020	mg/L						
Antimony		< 0.010	mg/L						
Copper		< 0.0020	mg/L						
Arsenic		< 0.015	mg/L						
Beryllium		< 0.0010	mg/L						
Cadmium		< 0.0020	mg/L						
Chromium		< 0.0020	mg/L						
Iron	B2	0.0179	mg/L						
Lead		< 0.010	mg/L						
Nickel		< 0.0020	mg/L						
Selenium		< 0.010	mg/L						
Thallium		< 0.020	mg/L						
Zinc		< 0.010	mg/L						
LCS (B307102-BS1)				Prepared & Analyzed: 05/06/13					
Antimony		0.0948	mg/L	0.1000		95	85-115		
Copper		0.104	mg/L	0.1000		104	85-115		
Silver		0.0245	mg/L	0.02500		98	85-115		
Arsenic		0.0890	mg/L	0.1000		89	85-115		
Beryllium		0.114	mg/L	0.1000		114	85-115		
Cadmium		0.102	mg/L	0.1000		102	85-115		
Chromium		0.105	mg/L	0.1000		105	85-115		
Iron		0.102	mg/L	0.1000		102	85-115		
Lead		0.101	mg/L	0.1000		101	85-115		
Nickel		0.108	mg/L	0.1000		108	85-115		
Selenium		0.104	mg/L	0.1000		104	85-115		
Thallium		0.103	mg/L	0.1000		103	85-115		
Zinc		0.104	mg/L	0.1000		104	85-115		
Matrix Spike (B307102-MS1)		**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					
Copper		0.304	mg/L	0.1000	0.203	102	70-130		
Silver		0.0262	mg/L	0.02500	ND	105	70-130		
Antimony		0.115	mg/L	0.1000	0.00529	110	70-130		
Arsenic	Q1, R	0.0668	mg/L	0.1000	ND	67	70-130		
Beryllium		0.124	mg/L	0.1000	ND	124	70-130		
Cadmium		0.107	mg/L	0.1000	ND	107	70-130		
Chromium		0.377	mg/L	0.1000	0.265	112	70-130		
Iron		0.171	mg/L	0.1000	0.0873	83	70-130		
Lead		0.102	mg/L	0.1000	ND	102	70-130		
Nickel		0.804	mg/L	0.1000	0.693	111	70-130		
Selenium		0.148	mg/L	0.1000	0.0249	123	70-130		

3050470

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Laboratory Results

Soluble Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307102 - 04 EPA 200.2 R2.8									
Matrix Spike (B307102-MS1)		**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					
Thallium		0.0798	mg/L	0.1000	ND	80	70-130		
Zinc		0.155	mg/L	0.1000	0.0389	116	70-130		
Matrix Spike Dup (B307102-MSD1)		**Source: 3050459-01**		Prepared & Analyzed: 05/06/13					
Silver		0.0265	mg/L	0.02500	ND	106	70-130	1	20
Copper		0.305	mg/L	0.1000	0.203	102	70-130	0.2	20
Antimony		0.122	mg/L	0.1000	0.00529	117	70-130	6	20
Arsenic	Q1, R	0.0832	mg/L	0.1000	ND	83	70-130	22	20
Beryllium		0.122	mg/L	0.1000	ND	122	70-130	1	20
Cadmium		0.107	mg/L	0.1000	ND	107	70-130	0.6	20
Chromium		0.375	mg/L	0.1000	0.265	110	70-130	0.5	20
Iron		0.168	mg/L	0.1000	0.0873	81	70-130	2	20
Lead		0.101	mg/L	0.1000	ND	101	70-130	0.4	20
Nickel		0.801	mg/L	0.1000	0.693	108	70-130	0.3	20
Selenium		0.147	mg/L	0.1000	0.0249	122	70-130	0.4	20
Thallium		0.0804	mg/L	0.1000	ND	80	70-130	0.8	20
Zinc		0.154	mg/L	0.1000	0.0389	115	70-130	0.9	20
Batch B307189 - 04-SW 7470A/245.1									
Blank (B307189-BLK1)				Prepared & Analyzed: 05/07/13					
Mercury		< 0.0002	mg/L						
Blank (B307189-BLK2)				Prepared & Analyzed: 05/07/13					
Mercury		< 0.0002	mg/L						
Blank (B307189-BLK3)				Prepared & Analyzed: 05/07/13					
Mercury		< 0.0002	mg/L						
LCS (B307189-BS1)				Prepared & Analyzed: 05/07/13					
Mercury		0.00222	mg/L	0.002000		111	85-115		
Matrix Spike (B307189-MS1)		**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.00228	mg/L	0.002000	ND	114	70-130		
Matrix Spike (B307189-MS2)		**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.0595	mg/L	0.02000	0.0372	112	70-130		
Matrix Spike Dup (B307189-MSD1)		**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.00219	mg/L	0.002000	ND	110	70-130	4	20
Matrix Spike Dup (B307189-MSD2)		**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.0562	mg/L	0.02000	0.0372	95	70-130	6	20

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA								
Blank (B307210-BLK1)			Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*31.9*	*ug/L*	*30.00*		*106*	*65-134*		
Surrogate: Toluene-d8	*28.0*	*ug/L*	*30.00*		*93*	*74.2-117*		
Surrogate: Bromofluorobenzene	*28.5*	*ug/L*	*30.00*		*95*	*74.1-125*		

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Date Received: 05/03/13 13:01
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Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result		Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA										
LCS (B307210-BS1)					Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane		18.8		ug/L	20.00		94	76-131		
1,1,2,2-Tetrachloroethane		19.6		ug/L	20.00		98	79-126		
1,1,2-Trichloroethane		18.9		ug/L	20.00		94	79-123		
1,1-Dichloroethane		19.5		ug/L	20.00		98	74-133		
1,1-Dichloroethene		20.1		ug/L	20.00		101	71-135		
1,2-Dichlorobenzene		18.4		ug/L	20.00		92	76-113		
1,2-Dichloroethane		20.3		ug/L	20.00		101	80-135		
1,2-Dichloropropane		19.8		ug/L	20.00		99	78-127		
1,3-Dichlorobenzene		19.5		ug/L	20.00		97	82-119		
1,4-Dichlorobenzene		18.4		ug/L	20.00		92	78-118		
2-Chloroethylvinyl ether		19.0		ug/L	20.00		95	66-138		
Acrolein		96.1		ug/L	100.0		96	38-156		
Acrylonitrile		20.9		ug/L	20.00		105	43-121		
Benzene		18.4		ug/L	20.00		92	84-114		
Bromodichloromethane		17.9		ug/L	20.00		89	82-116		
Bromoform		19.1		ug/L	20.00		95	65-115		
Bromomethane		19.8		ug/L	20.00		99	28-143		
Carbon tetrachloride		19.2		ug/L	20.00		96	72-131		
Chlorobenzene		18.3		ug/L	20.00		92	82-112		
Chloroethane		19.5		ug/L	20.00		97	41-126		
Chloroform		20.0		ug/L	20.00		100	78-124		
Chloromethane		19.4		ug/L	20.00		97	52-110		
cis-1,3-Dichloropropene		19.0		ug/L	20.00		95	82-116		
Dibromochloromethane		18.1		ug/L	20.00		91	83-119		
Ethylbenzene		18.4		ug/L	20.00		92	85-118		
m,p-Xylene		35.8		ug/L	40.00		89	80-111		
Methylene chloride		20.8		ug/L	20.00		104	78-140		
o-Xylene		17.5		ug/L	20.00		88	81-111		
Tetrachloroethene		18.3		ug/L	20.00		91	65-135		
Toluene		18.5		ug/L	20.00		92	81-120		
trans-1,2-Dichloroethene		19.8		ug/L	20.00		99	70-136		
trans-1,3-Dichloropropene		18.4		ug/L	20.00		92	82-113		
Trichloroethene		19.0		ug/L	20.00		95	84-125		
Trichlorofluoromethane		20.6		ug/L	20.00		103	70-138		
Vinyl chloride	C, X	23.3		ug/L	20.00		117	56-112		
Surrogate: 1,2-Dichloroethane-d4			*33.6*	*ug/L*	*30.00*		*112*	*65.3-134*		
Surrogate: Toluene-d8			*28.9*	*ug/L*	*30.00*		*96*	*73.2-119*		
Surrogate: Bromofluorobenzene			*30.6*	*ug/L*	*30.00*		*102*	*77.8-123*		
Matrix Spike (B307210-MS1)		**Source: 3050344-02**			Prepared & Analyzed: 05/07/13					

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Date Received: 05/03/13 13:01
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Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA									
Matrix Spike (B307210-MS1)		**Source: 3050344-02**		Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane		20.1	ug/L	20.00	ND	100	58-143		
1,1,2,2-Tetrachloroethane		18.0	ug/L	20.00	ND	90	70-133		
1,1,2-Trichloroethane		17.1	ug/L	20.00	ND	85	73-130		
1,1-Dichloroethane		19.7	ug/L	20.00	ND	98	55-146		
1,1-Dichloroethene		21.4	ug/L	20.00	ND	107	51-150		
1,2-Dichlorobenzene		14.6	ug/L	20.00	ND	73	62-120		
1,2-Dichloroethane		18.4	ug/L	20.00	ND	92	67-143		
1,2-Dichloropropane		18.5	ug/L	20.00	ND	93	66-134		
1,3-Dichlorobenzene		16.6	ug/L	20.00	ND	83	67-124		
1,4-Dichlorobenzene		16.2	ug/L	20.00	ND	81	66-123		
Acrolein		97.5	ug/L	100.0	ND	98	14-156		
Acrylonitrile	Q1	23.8	ug/L	20.00	ND	119	46-116		
Benzene		17.8	ug/L	20.00	ND	89	69-126		
Bromodichloromethane		15.9	ug/L	20.00	ND	79	67-128		
Bromoform		16.9	ug/L	20.00	ND	84	42-132		
Bromomethane		15.7	ug/L	20.00	ND	78	5-138		
Carbon tetrachloride		20.2	ug/L	20.00	ND	101	53-151		
Chlorobenzene		17.2	ug/L	20.00	ND	86	67-124		
Chloroethane		18.6	ug/L	20.00	ND	93	35-123		
Chloroform		20.3	ug/L	20.00	ND	102	41-155		
Chloromethane		20.0	ug/L	20.00	ND	100	39-120		
cis-1,3-Dichloropropene		17.1	ug/L	20.00	ND	85	68-126		
Dibromochloromethane		15.7	ug/L	20.00	ND	78	68-131		
Ethylbenzene		28.3	ug/L	20.00	11.6	84	68-128		
m,p-Xylene		76.8	ug/L	40.00	43.6	83	64-122		
Methylene chloride		21.4	ug/L	20.00	ND	107	70-150		
o-Xylene		27.1	ug/L	20.00	11.2	79	65-122		
Tetrachloroethene		16.8	ug/L	20.00	ND	84	42-132		
Toluene		17.2	ug/L	20.00	ND	86	64-137		
trans-1,2-Dichloroethene		21.9	ug/L	20.00	ND	109	57-145		
trans-1,3-Dichloropropene		17.3	ug/L	20.00	ND	86	66-121		
Trichloroethene		18.2	ug/L	20.00	ND	91	69-131		
Trichlorofluoromethane		22.4	ug/L	20.00	ND	112	36-162		
Vinyl chloride		24.9	ug/L	20.00	ND	124	24-137		
Surrogate: 1,2-Dichloroethane-d4		*32.8*	*ug/L*	*30.00*		*109*	*63.3-137*		
Surrogate: Toluene-d8		*29.4*	*ug/L*	*30.00*		*98*	*71-122*		
Surrogate: Bromofluorobenzene		*28.4*	*ug/L*	*30.00*		*95*	*74.6-123*		
Matrix Spike Dup (B307210-MSD1)		**Source: 3050344-02**		Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane		18.8	ug/L	20.00	ND	94	58-143	7	40

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Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA								
Matrix Spike Dup (B307210-MSD1)	**Source: 3050344-02**		Prepared & Analyzed: 05/07/13					
1,1,2,2-Tetrachloroethane	16.2	ug/L	20.00	ND	81	70-133	10	40
1,1,2-Trichloroethane	16.6	ug/L	20.00	ND	83	73-130	3	40
1,1-Dichloroethane	18.8	ug/L	20.00	ND	94	55-146	5	40
1,1-Dichloroethene	21.0	ug/L	20.00	ND	105	51-150	2	40
1,2-Dichlorobenzene	13.8	ug/L	20.00	ND	69	62-120	6	40
1,2-Dichloroethane	17.5	ug/L	20.00	ND	87	67-143	5	40
1,2-Dichloropropane	17.4	ug/L	20.00	ND	87	66-134	6	40
1,3-Dichlorobenzene	15.4	ug/L	20.00	ND	77	67-124	8	40
1,4-Dichlorobenzene	14.7	ug/L	20.00	ND	73	66-123	10	40
Acrolein	95.3	ug/L	100.0	ND	95	14-156	2	40
Acrylonitrile	21.5	ug/L	20.00	ND	108	46-116	10	40
Benzene	16.7	ug/L	20.00	ND	84	69-126	6	40
Bromodichloromethane	15.4	ug/L	20.00	ND	77	67-128	3	40
Bromoform	15.8	ug/L	20.00	ND	79	42-132	7	40
Bromomethane	16.8	ug/L	20.00	ND	84	5-138	7	40
Carbon tetrachloride	19.1	ug/L	20.00	ND	95	53-151	6	40
Chlorobenzene	16.5	ug/L	20.00	ND	83	67-124	4	40
Chloroethane	17.6	ug/L	20.00	ND	88	35-123	6	40
Chloroform	19.0	ug/L	20.00	ND	95	41-155	7	40
Chloromethane	17.6	ug/L	20.00	ND	88	39-120	13	40
cis-1,3-Dichloropropene	16.5	ug/L	20.00	ND	83	68-126	3	40
Dibromochloromethane	15.7	ug/L	20.00	ND	78	68-131	0.2	40
Ethylbenzene	26.8	ug/L	20.00	11.6	76	68-128	5	40
m,p-Xylene	73.0	ug/L	40.00	43.6	73	64-122	5	40
Methylene chloride	20.2	ug/L	20.00	ND	101	70-150	5	40
o-Xylene	25.7	ug/L	20.00	11.2	72	65-122	5	40
Tetrachloroethene	16.0	ug/L	20.00	ND	80	42-132	4	40
Toluene	16.4	ug/L	20.00	ND	82	64-137	5	40
trans-1,2-Dichloroethene	19.2	ug/L	20.00	ND	96	57-145	13	40
trans-1,3-Dichloropropene	16.3	ug/L	20.00	ND	81	66-121	6	40
Trichloroethene	17.2	ug/L	20.00	ND	86	69-131	5	40
Trichlorofluoromethane	20.7	ug/L	20.00	ND	103	36-162	8	40
Vinyl chloride	21.1	ug/L	20.00	ND	106	24-137	16	40
Surrogate: 1,2-Dichloroethane-d4	*31.0*	*ug/L*	*30.00*		*103*	*63.3-137*		
Surrogate: Toluene-d8	*28.5*	*ug/L*	*30.00*		*95*	*71-122*		
Surrogate: Bromofluorobenzene	*27.5*	*ug/L*	*30.00*		*92*	*74.6-123*		

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
Blank (B307166-BLK1)			Prepared: 05/07/13 Analyzed: 05/08/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
Blank (B307166-BLK1)			Prepared: 05/07/13 Analyzed: 05/08/13					
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	*54*	*ug/L*	*80.00*		*67*	*52.2-99.4*		
Surrogate: Phenol- d5	*57*	*ug/L*	*80.00*		*71*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*59*	*ug/L*	*80.00*		*74*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl	*61*	*ug/L*	*80.00*		*77*	*58-107*		
Surrogate: 2,4,6-Tribromophenol	*50*	*ug/L*	*80.00*		*62*	*37.6-118*		
Surrogate: p-Terphenyl-d14	*60*	*ug/L*	*80.00*		*75*	*42.1-123*		
LCS (B307166-BS1)			Prepared: 05/07/13 Analyzed: 05/08/13					
1,2,4-Trichlorobenzene	55	ug/L	80.00		69	56-88		
1,2-Dichlorobenzene	56	ug/L	80.00		70	56-86		
1,3-Dichlorobenzene	54	ug/L	80.00		68	54-84		
1,4-Dichlorobenzene	57	ug/L	80.00		71	55-87		
2,4,5-Trichlorophenol	65	ug/L	80.00		81	54-107		

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
LCS (B307166-BS1)			Prepared: 05/07/13 Analyzed: 05/08/13					
2,4,6-Trichlorophenol	65	ug/L	80.00		82	53-108		
2,4-Dichlorophenol	61	ug/L	80.00		77	57-100		
2,4-Dimethylphenol	63	ug/L	80.00		79	58-99		
2,4-Dinitrophenol	49	ug/L	80.00		61	41-122		
2,4-Dinitrotoluene	57	ug/L	80.00		72	46-100		
2,6-Dimethylaniline	54	ug/L				56-92		
2,6-Dinitrotoluene	56	ug/L	80.00		70	53-100		
2-Chloronaphthalene	56	ug/L	80.00		70	54-90		
2-Chlorophenol	63	ug/L	80.00		79	59-97		
2-Methylnaphthalene	57	ug/L				51-95		
2-Methylphenol	65	ug/L	80.00		82	56-107		
2-Nitroaniline	55	ug/L				51-97		
2-Nitrophenol	63	ug/L	80.00		79	56-105		
3- & 4-Methylphenol	61	ug/L	80.00		76	56-100		
3,3'-Dichlorobenzidine	74	ug/L	80.00		92	50-107		
3-Nitroaniline	53	ug/L				54-93		
4,6-Dinitro-2-methylphenol	49	ug/L	80.00		62	51-102		
4-Bromophenylphenyl ether	56	ug/L	80.00		70	52-97		
4-Chloro-3-methylphenol	62	ug/L	80.00		77	58-102		
4-Chloroaniline	54	ug/L				59-89		
4-Chlorophenylphenyl ether	57	ug/L	80.00		72	52-98		
4-Nitroaniline	57	ug/L				58-88		
4-Nitrophenol	63	ug/L	80.00		79	47-114		
Acenaphthene	57	ug/L	80.00		71	54-93		
Acenaphthylene	57	ug/L	80.00		71	56-93		
Aniline	55	ug/L				53-96		
Anthracene	60	ug/L	80.00		75	57-94		
Azobenzene	55	ug/L	80.00		69	44-98		
Benzidine	14	ug/L	80.00		17	10-68		
Benzo(a)anthracene	56	ug/L	80.00		70	45-94		
Benzo(a)pyrene	62	ug/L	80.00		77	50-111		
Benzo(b&k)fluoranthene	123	ug/L	160.0		77	52-102		
Benzo(b)fluoranthene	60	ug/L	80.00		75	50-108		
Benzo(g,h,i)perylene	67	ug/L	80.00		84	45-102		
Benzo(k)fluoranthene	73	ug/L	80.00		91	50-98		
Benzoic Acid	70	ug/L	80.00		88	43-117		
Benzyl alcohol	57	ug/L				53-92		
Bis(2-chloroethoxy) methane	50	ug/L	80.00		63	52-89		
Bis(2-chloroethyl) ether	50	ug/L	80.00		63	55-88		

3050470

PDC Laboratories, Inc.
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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
LCS (B307166-BS1)			Prepared: 05/07/13 Analyzed: 05/08/13					
Bis(2-chloroisopropyl) ether	54	ug/L	80.00		68	37-81		
Bis(2-ethylhexyl) phthalate	57	ug/L	80.00		71	44-97		
Butyl benzyl phthalate	58	ug/L	80.00		73	44-96		
Carbazole	56	ug/L				57-88		
Chrysene	60	ug/L	80.00		75	50-100		
Dibenzo(a,h)anthracene	70	ug/L	80.00		87	53-99		
Dibenzofuran	57	ug/L				58-91		
Diethyl phthalate	54	ug/L	80.00		68	53-92		
Dimethyl phthalate	57	ug/L	80.00		71	53-93		
Di-n-butyl phthalate	54	ug/L	80.00		68	55-96		
Di-n-octyl phthalate	59	ug/L	80.00		73	42-110		
Diphenylamine	69	ug/L	80.00		86	49-97		
Fluoranthene	56	ug/L	80.00		69	56-92		
Fluorene	56	ug/L	80.00		70	52-97		
Hexachlorobenzene	56	ug/L	80.00		70	51-98		
Hexachlorobutadiene	53	ug/L	80.00		66	54-92		
Hexachlorocyclopentadiene	24	ug/L	80.00		30	27-85		
Hexachloroethane	50	ug/L	80.00		62	56-83		
Indeno(1,2,3-cd)pyrene	68	ug/L	80.00		85	50-106		
Isophorone	50	ug/L	80.00		62	52-85		
Naphthalene	56	ug/L	80.00		70	59-87		
Nitrobenzene	53	ug/L	80.00		67	48-95		
N-Nitrosodimethylamine	51	ug/L	80.00		64	53-90		
N-Nitrosodi-n-propylamine	49	ug/L	80.00		61	47-87		
Pentachlorophenol	64	ug/L	80.00		80	49-128		
Phenanthrene	57	ug/L	80.00		71	55-95		
Phenol	58	ug/L	80.00		73	55-96		
Pyrene	64	ug/L	80.00		80	51-98		
Pyridine	49	ug/L				44-89		
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	*55*	*ug/L*	*80.00*		*69*	*52.2-99.4*		
Surrogate: Phenol- d5	*56*	*ug/L*	*80.00*		*70*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*55*	*ug/L*	*80.00*		*69*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl	*60*	*ug/L*	*80.00*		*75*	*58-107*		

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Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)									
LCS (B307166-BS1)				Prepared: 05/07/13 Analyzed: 05/08/13					
Surrogate: 2,4,6-Tribromophenol		*58*	*ug/L*	*80.00*		*73*	*37.6-118*		
Surrogate: p-Terphenyl-d14		*56*	*ug/L*	*80.00*		*70*	*42.1-123*		
Matrix Spike (B307166-MS1)		**Source: 3050622-01**		Prepared: 05/07/13 Analyzed: 05/09/13					
1,2,4-Trichlorobenzene	Xa	< 400	ug/L	80.00	ND		36-94		
1,2-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		17-110		
1,3-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		27-89		
1,4-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		34-87		
2,4,5-Trichlorophenol	Xa	< 400	ug/L	80.00	ND		15-100		
2,4,6-Trichlorophenol	Xa	< 400	ug/L	80.00	ND		22-101		
2,4-Dichlorophenol	Xa	< 400	ug/L	80.00	ND		10-100		
2,4-Dimethylphenol	Xa	175	ug/L	80.00	139	44	10-94		
2,4-Dinitrophenol	Xa	556	ug/L	80.00	ND	696	10-117		
2,4-Dinitrotoluene	Xa	< 400	ug/L	80.00	ND		34-99		
2,6-Dimethylaniline	Xa	75	ug/L		ND		10-76		
2,6-Dinitrotoluene	Xa	< 400	ug/L	80.00	ND		39-101		
2-Chloronaphthalene	Xa	< 400	ug/L	80.00	ND		39-94		
2-Chlorophenol	Xa	< 400	ug/L	80.00	ND		12-79		
2-Methylnaphthalene	Xa	< 400	ug/L		ND		38-98		
2-Methylphenol	Xa	104	ug/L	80.00	ND	130	10-98		
2-Nitroaniline	Xa	39	ug/L		ND		39-95		
2-Nitrophenol	Xa	< 400	ug/L	80.00	ND		16-102		
3- & 4-Methylphenol	Xa	1670	ug/L	80.00	1770	NR	10-87		
3,3'-Dichlorobenzidine	Xa	< 400	ug/L	80.00	ND		10-112		
3-Nitroaniline	Xa	< 400	ug/L		ND		10-87		
4,6-Dinitro-2-methylphenol	Xa	< 400	ug/L	80.00	ND		10-113		
4-Bromophenylphenyl ether	Xa	< 400	ug/L	80.00	ND		38-103		
4-Chloro-3-methylphenol	Xa	192	ug/L	80.00	ND	241	10-90		
4-Chloroaniline	Xa	< 400	ug/L		ND		10-75		
4-Chlorophenylphenyl ether	Xa	< 400	ug/L	80.00	ND		40-101		
4-Nitroaniline	Xa	< 400	ug/L		ND		10-104		
4-Nitrophenol	Xa	< 400	ug/L	80.00	ND		10-72		
Acenaphthene	Xa	38	ug/L	80.00	ND	48	41-98		
Acenaphthylene	Xa	< 400	ug/L	80.00	ND		41-98		
Aniline	Xa	< 400	ug/L		ND		10-81		
Anthracene	Xa	44	ug/L	80.00	ND	55	40-102		
Azobenzene	Xa	< 400	ug/L	80.00	ND		36-100		
Benzidine	Xa	< 400	ug/L	80.00	ND		10-55		
Benzo(a)anthracene	Xa	< 400	ug/L	80.00	ND		34-99		
Benzo(a)pyrene	Xa	< 400	ug/L	80.00	ND		39-114		

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)									
Matrix Spike (B307166-MS1)		**Source: 3050622-01**		Prepared: 05/07/13 Analyzed: 05/09/13					
Benzo(b&k)fluoranthene	Xa	62	ug/L	160.0	ND	39	37-112		
Benzo(b)fluoranthene	Xa	< 400	ug/L	80.00	ND		33-128		
Benzo(g,h,i)perylene	Xa	< 400	ug/L	80.00	ND		25-106		
Benzo(k)fluoranthene	Xa	147	ug/L	80.00	ND	184	33-104		
Benzoic Acid	Xa	1870	ug/L	80.00	2030	NR	10-62		
Benzyl alcohol	Xa	1230	ug/L		1130		10-85		
Bis(2-chloroethoxy) methane	Xa	< 400	ug/L	80.00	ND		28-91		
Bis(2-chloroethyl) ether	Xa	< 400	ug/L	80.00	ND		10-109		
Bis(2-chloroisopropyl) ether	Xa	< 400	ug/L	80.00	ND		10-105		
Bis(2-ethylhexyl) phthalate	Xa	< 400	ug/L	80.00	ND		32-106		
Butyl benzyl phthalate	Xa	< 400	ug/L	80.00	ND		32-98		
Carbazole	Xa	45	ug/L		ND		50-97		
Chrysene	Xa	< 400	ug/L	80.00	ND		40-104		
Dibenzo(a,h)anthracene	Xa	< 400	ug/L	80.00	ND		32-104		
Dibenzofuran	Xa	< 400	ug/L		ND		29-117		
Diethyl phthalate	Xa	< 400	ug/L	80.00	ND		36-99		
Dimethyl phthalate	Xa	< 400	ug/L	80.00	ND		30-94		
Di-n-butyl phthalate	Xa	< 400	ug/L	80.00	ND		42-101		
Di-n-octyl phthalate	Xa	< 400	ug/L	80.00	ND		30-123		
Diphenylamine	Xa	43	ug/L	80.00	ND	53	23-110		
Fluoranthene	Xa	< 400	ug/L	80.00	ND		39-100		
Fluorene	Xa	< 400	ug/L	80.00	ND		40-100		
Hexachlorobenzene	Xa	< 400	ug/L	80.00	ND		35-104		
Hexachlorobutadiene	Xa	< 400	ug/L	80.00	ND		32-99		
Hexachlorocyclopentadiene	Xa	< 400	ug/L	80.00	ND		10-90		
Hexachloroethane	Xa	< 400	ug/L	80.00	ND		15-102		
Indeno(1,2,3-cd)pyrene	Xa	32	ug/L	80.00	ND		32-108		
Isophorone	Xa	80	ug/L	80.00	ND	100	29-85		
Naphthalene	Xa	84	ug/L	80.00	50	43	38-97		
Nitrobenzene	Xa	579	ug/L	80.00	563	19	22-102		
N-Nitrosodimethylamine	Xa	< 400	ug/L	80.00	ND		10-60		
N-Nitrosodi-n-propylamine	Xa	302	ug/L	80.00	ND	377	10-110		
Pentachlorophenol	Xa	269	ug/L	80.00	ND	336	11-127		
Phenanthrene	Xa	37	ug/L	80.00	ND	46	39-101		
Phenol	Xa	3080	ug/L	80.00	3390	NR	10-39		
Pyrene	Xa	35	ug/L	80.00	ND	44	38-106		
Pyridine	Xa	152	ug/L		133		10-23		
1,4-Dichlorobenzene-d4	Xa	1600	ug/L				0-200		
Naphthalene-d8	Xa	1600	ug/L				0-200		

3050470

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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 13:01
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)									
Matrix Spike (B307166-MS1)		**Source: 3050622-01**		Prepared: 05/07/13 Analyzed: 05/09/13					
Acenaphthene-d10	Xa	1600	ug/L				0-200		
Phenanthrene-d10	Xa	1600	ug/L				0-200		
Chrysene-d12	Xa	1600	ug/L				0-200		
Perylene-d12	Xa	1600	ug/L				0-200		
Surrogate: 2-Fluorophenol	*S, Xa*	*46*	*ug/L*	*80.00*		*57*	*10-35*		
Surrogate: Phenol- d5	*S, Xa*	*22*	*ug/L*	*80.00*		*28*	*10-26*		
Surrogate: Nitrobenzene-d5	*S, Xa*	*140*	*ug/L*	*80.00*		*179*	*22-105*		
Surrogate: 2-Fluorobiphenyl	*S, Xa*	*36*	*ug/L*	*80.00*		*45*	*30-97*		
Surrogate: 2,4,6-Tribromophenol	*S, Xa*	*0.0*	*ug/L*	*80.00*			*10-93*		
Surrogate: p-Terphenyl-d14	*S, Xa*	*33*	*ug/L*	*80.00*		*41*	*22-115*		

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Laboratory Results

Notes

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

Xb The intensity of a secondary ion exceeds the relative intensity in the reference spectra.
Xa Matrix spike diluted out due to matrix.
X Failed blank spike with high bias; undetected in samples.
S Surrogate compound diluted below a reliable quantitation level.
R MS/MSD Failed %RPD
Q1 MS Failed %R
H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.
C The blank spike failed to meet the required acceptance criteria.
B2 Contamination does not impact data since sample result is greater than ten times the contamination level.

Roxann Shull

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: Bridgeton L.F.	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 St. Charles Rock Road	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: Bridgeton, MO 63044	SAMPLER: Scott C. Fedak		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, NAL-NONAQUEOUS, SOIL-SOILS
CONTACT PERSON: Ed Galbraith / Scott C. Fedak	SAMPLER'S SIGNATURE: Scott C. Fedak		

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 3050470
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD (410.4, 5220C)	TSS (2540D)	NH_3 as N (350.1, Rev 2)	pH (150.1) Oil & Grease (1664 Rev A)	VOC_s (624)	$SVOC_s$ (625)	Total → Dissolved Metals (200.7, 335.4, 200.8)	REMARKS
BATCH 86 - MSD	5/2/13	12:30	X	--	L'CHT	8	X	X	X	X	X	X	X	
Trip Blank	--	--	--	--	--	--					X	~~X~~ SCF	~~X~~ SCF	

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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/3/13	12:15	Heather Collard	5/3/13	12:15
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 2.8 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE ____

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

PDC Laboratories, Inc.
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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:57
Report Date: 05/09/13
Customer #: 277310

Laboratory Results

Sample No: **3050532-01**
Sample Description: **MSD Batch 89-BOD**

Collect Date: **05/03/13 14:46**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
BOD	29000 mg/L		05/04/13 11:45	DAW	SM 5210B 18Ed	04KS

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Date Received: 05/03/13 16:57
Report Date: 05/09/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307093 - 04-No Prep WC								
Blank (B307093-BLK1)			Prepared & Analyzed: 05/04/13					
BOD	< 6.0	mg/L						
LCS (B307093-BS1)			Prepared & Analyzed: 05/04/13					
BOD	209	mg/L	198.0		106	34.6-115.4		
Duplicate (B307093-DUP1)	**Source: 3050532-01**		Prepared & Analyzed: 05/04/13					
BOD	29400	mg/L		28700			3	20

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Laboratory Results

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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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

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: BRIDGETON LANDFILL
ADDRESS: 13570 ST. CHARLES ROCK RD
CITY STATE ZIP: BRIDGETON MO 63044
CONTACT PERSON: BILL ABERNATHY

PROJECT NUMBER | P.O. NUMBER | MEANS SHIPPED
PHONE NUMBER | FAX NUMBER | EMAIL ADDRESS: babernathy@bridgetonlandfill.com
SAMPLER: BILL ABERNATHY
SAMPLER'S SIGNATURE: [signature]

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 3050532
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	BOD (5210B)							REMARKS
BATCH 89-MSD	5/3/13	1446	✓		LCHT	1	✓							

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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
[signature]	5/3/13	1610	Heather Cearlock	5/3/13	1610
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	4.8 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

PAGE _____ OF _____

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050533-01**
Sample Description: **MSD Batch 89**

Collect Date: **05/03/13 14:46**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	39000	mg/L		05/04/13 13:11	DAW	SM 5220D 18Ed	04KS
Oil & Grease - total	< 41	mg/L		05/06/13 09:00	mep	EPA 1664A	04KS
pH	5.7	pH Units	H	05/06/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1500	mg/L		05/06/13 11:45	DAW	SM 2540D 18Ed	04KS
Nutrients - STL							
Ammonia-N	610	mg/L		05/07/13 12:00	ACV	SM(18) 4500 NH3 F	04KS
Semivolatile Organics - STL							
1,2,4-Trichlorobenzene	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
1,2-Dichlorobenzene	< 400	ug/L		05/09/13 20:17	jk	EPA 625*	
1,3-Dichlorobenzene	< 400	ug/L		05/09/13 20:17	jk	EPA 625*	
1,4-Dichlorobenzene	< 400	ug/L		05/09/13 20:17	jk	EPA 625*	
2,4,5-Trichlorophenol	< 400	ug/L		05/09/13 20:17	jk	EPA 625*	
2,4,6-Trichlorophenol	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
2,4-Dichlorophenol	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
2,4-Dimethylphenol	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
2,4-Dinitrophenol	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
2,4-Dinitrotoluene	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
2,6-Dimethylaniline	< 200	ug/L		05/09/13 20:17	jk	EPA 625*	
2,6-Dinitrotoluene	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
2-Chloronaphthalene	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
2-Chlorophenol	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
2-Nitrophenol	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
3,3'-Dichlorobenzidine	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
4,6-Dinitro-2-methylphenol	< 400	ug/L		05/09/13 20:17	jk	EPA 625*	
4-Bromophenylphenyl ether	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
4-Chloro-3-methylphenol	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
4-Chlorophenylphenyl ether	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
4-Nitrophenol	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
Acenaphthene	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
Acenaphthylene	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
Anthracene	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050533-01**
Sample Description: **MSD Batch 89**

Collect Date: **05/03/13 14:46**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Azobenzene	< 400 ug/L		05/09/13 20:17	jk	EPA 625*	
Benzidine	< 400 ug/L		05/09/13 20:17	jk	EPA 625*	
Benzo(a)anthracene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Benzo(a)pyrene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Benzo(b&k)fluoranthene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Benzo(b)fluoranthene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Benzo(g,h,i)perylene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Benzo(k)fluoranthene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Bis(2-chloroethyl) ether	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Bis(2-ethylhexyl) phthalate	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Butyl benzyl phthalate	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Chrysene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Dibenzo(a,h)anthracene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Diethyl phthalate	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Dimethyl phthalate	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Di-n-butyl phthalate	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Di-n-octyl phthalate	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Diphenylamine	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Fluoranthene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Fluorene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Hexachlorobenzene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Hexachlorobutadiene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Hexachlorocyclopentadiene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Hexachloroethane	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Indeno(1,2,3-cd)pyrene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Isophorone	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Naphthalene	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Nitrobenzene	502 ug/L		05/09/13 20:17	jk	EPA 625	04KS
N-Nitrosodimethylamine	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
N-Nitrosodi-n-propylamine	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS
Pentachlorophenol	< 400 ug/L		05/09/13 20:17	jk	EPA 625	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050533-01**
Sample Description: **MSD Batch 89**

Collect Date: **05/03/13 14:46**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
Phenanthrene	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
Phenol	3670	ug/L	Xb	05/09/13 20:17	jk	EPA 625	04KS
Pyrene	< 400	ug/L		05/09/13 20:17	jk	EPA 625	04KS
Surrogate: 2-Fluorophenol	*46 %*	*10-35*	*S*	*05/09/13 20:17*	*jk*	*EPA 625*	
Surrogate: Phenol- d5	*41 %*	*10-26*	*S*	*05/09/13 20:17*	*jk*	*EPA 625*	
Surrogate: Nitrobenzene-d5	*39 %*	*22-105*	*S*	*05/09/13 20:17*	*jk*	*EPA 625*	
Surrogate: 2-Fluorobiphenyl	*39 %*	*30-97*	*S*	*05/09/13 20:17*	*jk*	*EPA 625*	
Surrogate: 2,4,6-Tribromophenol	*10 %*	*10-93*	*S*	*05/09/13 20:17*	*jk*	*EPA 625*	
Surrogate: p-Terphenyl-d14	*34 %*	*22-115*	*S*	*05/09/13 20:17*	*jk*	*EPA 625*	
Soluble Metals - STL							
Mercury	0.037	mg/L		05/07/13 13:00	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.015	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Copper	< 0.0020	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Silver	< 0.0020	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.50	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0013	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.042	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Chromium	0.21	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Iron	640	mg/L	B1	05/07/13 18:01	WPS	EPA 200.7 R4.4	04KS
Lead	0.091	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Nickel	0.069	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Selenium	0.036	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Thallium	< 0.020	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Zinc	12	mg/L		05/07/13 18:17	WPS	EPA 200.7 R4.4	04KS
Total Metals - STL							
Mercury	0.037	mg/L		05/07/13 13:00	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.031	mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.56	mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0018	mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.061	mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Chromium	0.25	mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Copper	0.0036	mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050533-01**
Sample Description: **MSD Batch 89**

Collect Date: **05/03/13 14:46**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Total Metals - STL						
Iron	890 mg/L		05/07/13 18:05	WPS	EPA 200.7 R4.4	04KS
Lead	0.20 mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Nickel	0.085 mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Selenium	0.057 mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Silver	0.0036 mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Thallium	< 0.020 mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Zinc	13 mg/L		05/07/13 18:21	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
1,1,1-Trichloroethane	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
1,1,2-Trichloroethane	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
1,1-Dichloroethane	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
1,1-Dichloroethene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
1,2-Dichlorobenzene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
1,2-Dichloroethane	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
1,2-Dichloropropane	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
1,4-Dichlorobenzene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Acetone	100000 ug/L		05/07/13 17:02	BP	EPA 624*	
Acrolein	< 500 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Acrylonitrile	< 200 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Benzene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Bromodichloromethane	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Bromoform	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Bromomethane	< 200 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Carbon tetrachloride	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Chlorobenzene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Chloroethane	< 200 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Chloroform	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Chloromethane	< 200 ug/L		05/07/13 18:17	BP	EPA 624	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Dibromochloromethane	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS

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Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050533-01**
Sample Description: **MSD Batch 89**

Collect Date: **05/03/13 14:46**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Ethylbenzene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
m,p-Xylene	< 200 ug/L		05/07/13 18:17	BP	EPA 624*	
Methylene chloride	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
o-Xylene	< 100 ug/L		05/07/13 18:17	BP	EPA 624*	
Tetrachloroethene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Toluene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Trichloroethene	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Trichlorofluoromethane	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Vinyl chloride	< 100 ug/L		05/07/13 18:17	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*105 % 65-134*		*05/07/13 18:17*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/07/13 18:17*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*103 % 74.1-125*		*05/07/13 18:17*	*BP*	*EPA 624*	

Sample No: **3050533-02**
Sample Description: **Trip Blank**

Collect Date: **05/03/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,1,1-Trichloroethane	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
1,1,2-Trichloroethane	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
1,1-Dichloroethane	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
1,1-Dichloroethene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
1,2-Dichlorobenzene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
1,2-Dichloroethane	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
1,2-Dichloropropane	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
1,3-Dichlorobenzene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
1,4-Dichlorobenzene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Acetone	< 10 ug/L		05/07/13 14:07	BP	EPA 624*	

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050533-02**
Sample Description: **Trip Blank**

Collect Date: **05/03/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Acrolein	< 25 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Acrylonitrile	< 10 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Benzene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Bromodichloromethane	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Bromoform	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Bromomethane	< 10 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Carbon tetrachloride	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Chlorobenzene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Chloroethane	< 10 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Chloroform	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Chloromethane	< 10 ug/L		05/07/13 14:07	BP	EPA 624	04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Dibromochloromethane	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Ethylbenzene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
m,p-Xylene	< 10 ug/L		05/07/13 14:07	BP	EPA 624*	
Methylene chloride	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
o-Xylene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624*	
Tetrachloroethene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Toluene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Trichloroethene	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Trichlorofluoromethane	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Vinyl chloride	< 5.0 ug/L		05/07/13 14:07	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*107 % 65-134*		*05/07/13 14:07*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/07/13 14:07*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*91 % 74.1-125*		*05/07/13 14:07*	*BP*	*EPA 624*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307092 - 04-No Prep WC								
Blank (B307092-BLK1)			Prepared & Analyzed: 05/04/13					
COD	< 5.0	mg/L						
Blank (B307092-BLK2)			Prepared & Analyzed: 05/04/13					
COD	< 100	mg/L						
LCS (B307092-BS1)			Prepared & Analyzed: 05/04/13					
COD	95.4	mg/L	100.0		95	95-105		
LCS (B307092-BS2)			Prepared & Analyzed: 05/04/13					
COD	486	mg/L	500.0		97	95-105		
Duplicate (B307092-DUP1)	**Source: 3050531-01**		Prepared & Analyzed: 05/04/13					
COD	11.7	mg/L		11.7			0	20
Duplicate (B307092-DUP2)	**Source: 3050533-01**		Prepared & Analyzed: 05/04/13					
COD	38600	mg/L		39000			1	20
Batch B307100 - 04-No Prep WC								
Blank (B307100-BLK1)			Prepared & Analyzed: 05/06/13					
Oil & Grease - total	< 5.0	mg/L						
LCS (B307100-BS1)			Prepared & Analyzed: 05/06/13					
Oil & Grease - total	39.2	mg/L	40.00		98	78-114		
LCS Dup (B307100-BSD1)			Prepared & Analyzed: 05/06/13					
Oil & Grease - total	38.7	mg/L	40.00		97	78-114	1	18
Duplicate (B307100-DUP1)	**Source: 3050467-01**		Prepared & Analyzed: 05/06/13					
Oil & Grease - total	< 5.6	mg/L		1.43				200
Duplicate (B307100-DUP2)	**Source: 3050467-02**		Prepared & Analyzed: 05/06/13					
Oil & Grease - total	< 5.7	mg/L		ND				200
Batch B307136 - 04-No Prep WC								
Blank (B307136-BLK1)			Prepared & Analyzed: 05/06/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B307136-BS1)			Prepared & Analyzed: 05/06/13					
Solids - total suspended solids (TSS)	97.0	mg/L	100.0		97	82.9-110		
Duplicate (B307136-DUP1)	**Source: 3050405-01**		Prepared & Analyzed: 05/06/13					
Solids - total suspended solids (TSS)	1.20	mg/L		1.20			0	5
Duplicate (B307136-DUP2)	**Source: 3050547-01**		Prepared & Analyzed: 05/06/13					
Solids - total suspended solids (TSS)	1360	mg/L		1380			1	5
Batch B307185 - 04-No Prep WC								

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Attn: Ed Galbraith

Date Received: 05/03/13 16:10
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Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Calibration Check (B307185-CCV1)			Prepared & Analyzed: 05/06/13					
pH	7.00	pH Units	7.000		100	0-200		
Duplicate (B307185-DUP1)	**Source: 3050533-01**		Prepared & Analyzed: 05/06/13					
pH	5.70	pH Units		5.71			0.2	10

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307237 - 04-No Prep WC								
Blank (B307237-BLK1)			Prepared & Analyzed: 05/07/13					
Ammonia-N	< 0.010	mg/L						
LCS (B307237-BS1)			Prepared & Analyzed: 05/07/13					
Ammonia-N	10.0	mg/L	10.00		100	80-120		
Matrix Spike (B307237-MS1)	**Source: 3050531-03**		Prepared & Analyzed: 05/07/13					
Ammonia-N	9.82	mg/L	10.00	ND	98	80-120		
Matrix Spike Dup (B307237-MSD1)	**Source: 3050531-03**		Prepared & Analyzed: 05/07/13					
Ammonia-N	9.73	mg/L	10.00	ND	97	80-120	0.9	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307189 - 04-SW 7470A/245.1								
Blank (B307189-BLK1)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
Blank (B307189-BLK2)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
Blank (B307189-BLK3)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
LCS (B307189-BS1)			Prepared & Analyzed: 05/07/13					
Mercury	0.00222	mg/L	0.002000		111	85-115		
Matrix Spike (B307189-MS1)	**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.00228	mg/L	0.002000	ND	114	70-130		
Matrix Spike (B307189-MS2)	**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.0595	mg/L	0.02000	0.0372	112	70-130		

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Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307189 - 04-SW 7470A/245.1								
Matrix Spike Dup (B307189-MSD1)	**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.00219	mg/L	0.002000	ND	110	70-130	4	20
Matrix Spike Dup (B307189-MSD2)	**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.0562	mg/L	0.02000	0.0372	95	70-130	6	20
Batch B307205 - 04 EPA 200.2 R2.8								
Blank (B307205-BLK1)			Prepared & Analyzed: 05/07/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B307205-BS1)			Prepared & Analyzed: 05/07/13					
Antimony	0.0967	mg/L	0.1000		97	85-115		
Arsenic	0.0904	mg/L	0.1000		90	85-115		
Beryllium	0.101	mg/L	0.1000		101	85-115		
Cadmium	0.102	mg/L	0.1000		102	85-115		
Chromium	0.106	mg/L	0.1000		106	85-115		
Copper	0.103	mg/L	0.1000		103	85-115		
Iron	0.0988	mg/L	0.1000		99	85-115		
Lead	0.0991	mg/L	0.1000		99	85-115		
Nickel	0.106	mg/L	0.1000		106	85-115		
Selenium	0.0866	mg/L	0.1000		87	85-115		
Silver	0.0248	mg/L	0.02500		99	85-115		
Thallium	0.0858	mg/L	0.1000		86	85-115		
Zinc	0.102	mg/L	0.1000		102	85-115		
LCS (B307205-BS2)			Prepared & Analyzed: 05/07/13					
Antimony	0.0919	mg/L	0.1000		92	85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307205 - 04 EPA 200.2 R2.8								
LCS (B307205-BS2)			Prepared & Analyzed: 05/07/13					
Chromium	< 0.0020	mg/L				85-115		
Copper	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Silver	< 0.0020	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		
Matrix Spike (B307205-MS1)	**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					
Antimony	0.0917	mg/L	0.1000	ND	92	70-130		
Arsenic	0.0987	mg/L	0.1000	ND	99	70-130		
Beryllium	0.106	mg/L	0.1000	ND	106	70-130		
Cadmium	0.103	mg/L	0.1000	ND	103	70-130		
Chromium	0.107	mg/L	0.1000	ND	107	70-130		
Copper	0.102	mg/L	0.1000	0.00292	99	70-130		
Iron	0.190	mg/L	0.1000	0.102	89	70-130		
Lead	0.0994	mg/L	0.1000	ND	99	70-130		
Nickel	0.105	mg/L	0.1000	ND	105	70-130		
Selenium	0.113	mg/L	0.1000	ND	113	70-130		
Silver	0.0244	mg/L	0.02500	ND	97	70-130		
Thallium	0.0833	mg/L	0.1000	ND	83	70-130		
Zinc	0.114	mg/L	0.1000	0.00899	106	70-130		
Matrix Spike Dup (B307205-MSD1)	**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					
Antimony	0.0858	mg/L	0.1000	ND	86	70-130	7	20
Arsenic	0.0918	mg/L	0.1000	ND	92	70-130	7	20
Beryllium	0.106	mg/L	0.1000	ND	106	70-130	0.1	20
Cadmium	0.101	mg/L	0.1000	ND	101	70-130	3	20
Chromium	0.104	mg/L	0.1000	ND	104	70-130	3	20
Copper	0.0992	mg/L	0.1000	0.00292	96	70-130	2	20
Iron	0.187	mg/L	0.1000	0.102	85	70-130	2	20
Lead	0.0946	mg/L	0.1000	ND	95	70-130	5	20
Nickel	0.103	mg/L	0.1000	ND	103	70-130	2	20
Selenium	0.102	mg/L	0.1000	ND	102	70-130	11	20
Silver	0.0235	mg/L	0.02500	ND	94	70-130	4	20
Thallium	0.0701	mg/L	0.1000	ND	70	70-130	17	20
Zinc	0.110	mg/L	0.1000	0.00899	101	70-130	4	20

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307189 - 04-SW 7470A/245.1								
Blank (B307189-BLK1)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
Blank (B307189-BLK2)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
Blank (B307189-BLK3)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
LCS (B307189-BS1)			Prepared & Analyzed: 05/07/13					
Mercury	0.00222	mg/L	0.002000		111	85-115		
Matrix Spike (B307189-MS1)	**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.00228	mg/L	0.002000	ND	114	70-130		
Matrix Spike (B307189-MS2)	**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.0595	mg/L	0.02000	0.0372	112	70-130		
Matrix Spike Dup (B307189-MSD1)	**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.00219	mg/L	0.002000	ND	110	70-130	4	20
Matrix Spike Dup (B307189-MSD2)	**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.0562	mg/L	0.02000	0.0372	95	70-130	6	20
Batch B307205 - 04 EPA 200.2 R2.8								
Blank (B307205-BLK1)			Prepared: 05/07/13 Analyzed: 05/08/13					
Antimony	< 0.010	mg/L						
Copper	< 0.0020	mg/L						
Silver	< 0.0020	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
Blank (B307205-BLK2)			Prepared & Analyzed: 05/07/13					
Antimony	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Copper	< 0.0020	mg/L						
Arsenic	< 0.015	mg/L						

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13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307205 - 04 EPA 200.2 R2.8									
Blank (B307205-BLK2)				Prepared & Analyzed: 05/07/13					
Beryllium		< 0.0010	mg/L						
Cadmium		< 0.0020	mg/L						
Chromium		< 0.0020	mg/L						
Iron	B1	0.0102	mg/L						
Lead		< 0.010	mg/L						
Nickel		< 0.0020	mg/L						
Selenium		< 0.010	mg/L						
Thallium		< 0.020	mg/L						
Zinc		< 0.010	mg/L						
LCS (B307205-BS1)				Prepared & Analyzed: 05/07/13					
Silver		0.0248	mg/L	0.02500		99	85-115		
Copper		0.103	mg/L	0.1000		103	85-115		
Antimony		0.0967	mg/L	0.1000		97	85-115		
Arsenic		0.0904	mg/L	0.1000		90	85-115		
Beryllium		0.101	mg/L	0.1000		101	85-115		
Cadmium		0.102	mg/L	0.1000		102	85-115		
Chromium		0.106	mg/L	0.1000		106	85-115		
Iron		0.0988	mg/L	0.1000		99	85-115		
Lead		0.0991	mg/L	0.1000		99	85-115		
Nickel		0.106	mg/L	0.1000		106	85-115		
Selenium		0.0866	mg/L	0.1000		87	85-115		
Thallium		0.0858	mg/L	0.1000		86	85-115		
Zinc		0.102	mg/L	0.1000		102	85-115		
LCS (B307205-BS2)				Prepared & Analyzed: 05/07/13					
Copper		< 0.0020	mg/L				85-115		
Silver		< 0.0020	mg/L				85-115		
Antimony		0.0919	mg/L	0.1000		92	85-115		
Arsenic		< 0.015	mg/L				85-115		
Beryllium		< 0.0010	mg/L				85-115		
Cadmium		< 0.0020	mg/L				85-115		
Chromium		< 0.0020	mg/L				85-115		
Iron		< 0.010	mg/L				85-115		
Lead		< 0.010	mg/L				85-115		
Nickel		< 0.0020	mg/L				85-115		
Selenium		< 0.010	mg/L				85-115		
Thallium		< 0.020	mg/L				85-115		
Zinc		< 0.010	mg/L				85-115		
Matrix Spike (B307205-MS1)		**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					

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Date Received: 05/03/13 16:10
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Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307205 - 04 EPA 200.2 R2.8								
Matrix Spike (B307205-MS1)	**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					
Silver	0.0244	mg/L	0.02500	ND	97	70-130		
Copper	0.102	mg/L	0.1000	0.00292	99	70-130		
Antimony	0.0917	mg/L	0.1000	ND	92	70-130		
Arsenic	0.0987	mg/L	0.1000	ND	99	70-130		
Beryllium	0.106	mg/L	0.1000	ND	106	70-130		
Cadmium	0.103	mg/L	0.1000	ND	103	70-130		
Chromium	0.107	mg/L	0.1000	ND	107	70-130		
Iron	0.190	mg/L	0.1000	0.102	89	70-130		
Lead	0.0994	mg/L	0.1000	ND	99	70-130		
Nickel	0.105	mg/L	0.1000	ND	105	70-130		
Selenium	0.113	mg/L	0.1000	ND	113	70-130		
Thallium	0.0833	mg/L	0.1000	ND	83	70-130		
Zinc	0.114	mg/L	0.1000	0.00899	106	70-130		
Matrix Spike Dup (B307205-MSD1)	**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					
Copper	0.0992	mg/L	0.1000	0.00292	96	70-130	2	20
Silver	0.0235	mg/L	0.02500	ND	94	70-130	4	20
Antimony	0.0858	mg/L	0.1000	ND	86	70-130	7	20
Arsenic	0.0918	mg/L	0.1000	ND	92	70-130	7	20
Beryllium	0.106	mg/L	0.1000	ND	106	70-130	0.1	20
Cadmium	0.101	mg/L	0.1000	ND	101	70-130	3	20
Chromium	0.104	mg/L	0.1000	ND	104	70-130	3	20
Iron	0.187	mg/L	0.1000	0.102	85	70-130	2	20
Lead	0.0946	mg/L	0.1000	ND	95	70-130	5	20
Nickel	0.103	mg/L	0.1000	ND	103	70-130	2	20
Selenium	0.102	mg/L	0.1000	ND	102	70-130	11	20
Thallium	0.0701	mg/L	0.1000	ND	70	70-130	17	20
Zinc	0.110	mg/L	0.1000	0.00899	101	70-130	4	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA								
Blank (B307210-BLK1)			Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						

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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA								
Blank (B307210-BLK1)			Prepared & Analyzed: 05/07/13					
1,1-Dichloroethene	< 5.0	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*31.9*	*ug/L*	*30.00*		*106*	*65-134*		
Surrogate: Toluene-d8	*28.0*	*ug/L*	*30.00*		*93*	*74.2-117*		
Surrogate: Bromofluorobenzene	*28.5*	*ug/L*	*30.00*		*95*	*74.1-125*		
LCS (B307210-BS1)			Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane	18.8	ug/L	20.00		94	76-131		
1,1,2,2-Tetrachloroethane	19.6	ug/L	20.00		98	79-126		
1,1,2-Trichloroethane	18.9	ug/L	20.00		94	79-123		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result		Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA										
LCS (B307210-BS1)					Prepared & Analyzed: 05/07/13					
1,1-Dichloroethane		19.5		ug/L	20.00		98	74-133		
1,1-Dichloroethene		20.1		ug/L	20.00		101	71-135		
1,2-Dichlorobenzene		18.4		ug/L	20.00		92	76-113		
1,2-Dichloroethane		20.3		ug/L	20.00		101	80-135		
1,2-Dichloropropane		19.8		ug/L	20.00		99	78-127		
1,3-Dichlorobenzene		19.5		ug/L	20.00		97	82-119		
1,4-Dichlorobenzene		18.4		ug/L	20.00		92	78-118		
2-Chloroethylvinyl ether		19.0		ug/L	20.00		95	66-138		
Acrolein		96.1		ug/L	100.0		96	38-156		
Acrylonitrile		20.9		ug/L	20.00		105	43-121		
Benzene		18.4		ug/L	20.00		92	84-114		
Bromodichloromethane		17.9		ug/L	20.00		89	82-116		
Bromoform		19.1		ug/L	20.00		95	65-115		
Bromomethane		19.8		ug/L	20.00		99	28-143		
Carbon tetrachloride		19.2		ug/L	20.00		96	72-131		
Chlorobenzene		18.3		ug/L	20.00		92	82-112		
Chloroethane		19.5		ug/L	20.00		97	41-126		
Chloroform		20.0		ug/L	20.00		100	78-124		
Chloromethane		19.4		ug/L	20.00		97	52-110		
cis-1,3-Dichloropropene		19.0		ug/L	20.00		95	82-116		
Dibromochloromethane		18.1		ug/L	20.00		91	83-119		
Ethylbenzene		18.4		ug/L	20.00		92	85-118		
m,p-Xylene		35.8		ug/L	40.00		89	80-111		
Methylene chloride		20.8		ug/L	20.00		104	78-140		
o-Xylene		17.5		ug/L	20.00		88	81-111		
Tetrachloroethene		18.3		ug/L	20.00		91	65-135		
Toluene		18.5		ug/L	20.00		92	81-120		
trans-1,2-Dichloroethene		19.8		ug/L	20.00		99	70-136		
trans-1,3-Dichloropropene		18.4		ug/L	20.00		92	82-113		
Trichloroethene		19.0		ug/L	20.00		95	84-125		
Trichlorofluoromethane		20.6		ug/L	20.00		103	70-138		
Vinyl chloride	C, X	23.3		ug/L	20.00		117	56-112		
Surrogate: 1,2-Dichloroethane-d4			*33.6*	*ug/L*	*30.00*		*112*	*65.3-134*		
Surrogate: Toluene-d8			*28.9*	*ug/L*	*30.00*		*96*	*73.2-119*		
Surrogate: Bromofluorobenzene			*30.6*	*ug/L*	*30.00*		*102*	*77.8-123*		
Matrix Spike (B307210-MS1)		**Source: 3050344-02**			Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane		20.1		ug/L	20.00	ND	100	58-143		
1,1,2,2-Tetrachloroethane		18.0		ug/L	20.00	ND	90	70-133		
1,1,2-Trichloroethane		17.1		ug/L	20.00	ND	85	73-130		

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Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA									
Matrix Spike (B307210-MS1)		**Source: 3050344-02**		Prepared & Analyzed: 05/07/13					
1,1-Dichloroethane		19.7	ug/L	20.00	ND	98	55-146		
1,1-Dichloroethene		21.4	ug/L	20.00	ND	107	51-150		
1,2-Dichlorobenzene		14.6	ug/L	20.00	ND	73	62-120		
1,2-Dichloroethane		18.4	ug/L	20.00	ND	92	67-143		
1,2-Dichloropropane		18.5	ug/L	20.00	ND	93	66-134		
1,3-Dichlorobenzene		16.6	ug/L	20.00	ND	83	67-124		
1,4-Dichlorobenzene		16.2	ug/L	20.00	ND	81	66-123		
Acrolein		97.5	ug/L	100.0	ND	98	14-156		
Acrylonitrile	Q1	23.8	ug/L	20.00	ND	119	46-116		
Benzene		17.8	ug/L	20.00	ND	89	69-126		
Bromodichloromethane		15.9	ug/L	20.00	ND	79	67-128		
Bromoform		16.9	ug/L	20.00	ND	84	42-132		
Bromomethane		15.7	ug/L	20.00	ND	78	5-138		
Carbon tetrachloride		20.2	ug/L	20.00	ND	101	53-151		
Chlorobenzene		17.2	ug/L	20.00	ND	86	67-124		
Chloroethane		18.6	ug/L	20.00	ND	93	35-123		
Chloroform		20.3	ug/L	20.00	ND	102	41-155		
Chloromethane		20.0	ug/L	20.00	ND	100	39-120		
cis-1,3-Dichloropropene		17.1	ug/L	20.00	ND	85	68-126		
Dibromochloromethane		15.7	ug/L	20.00	ND	78	68-131		
Ethylbenzene		28.3	ug/L	20.00	11.6	84	68-128		
m,p-Xylene		76.8	ug/L	40.00	43.6	83	64-122		
Methylene chloride		21.4	ug/L	20.00	ND	107	70-150		
o-Xylene		27.1	ug/L	20.00	11.2	79	65-122		
Tetrachloroethene		16.8	ug/L	20.00	ND	84	42-132		
Toluene		17.2	ug/L	20.00	ND	86	64-137		
trans-1,2-Dichloroethene		21.9	ug/L	20.00	ND	109	57-145		
trans-1,3-Dichloropropene		17.3	ug/L	20.00	ND	86	66-121		
Trichloroethene		18.2	ug/L	20.00	ND	91	69-131		
Trichlorofluoromethane		22.4	ug/L	20.00	ND	112	36-162		
Vinyl chloride		24.9	ug/L	20.00	ND	124	24-137		
Surrogate: 1,2-Dichloroethane-d4		*32.8*	*ug/L*	*30.00*		*109*	*63.3-137*		
Surrogate: Toluene-d8		*29.4*	*ug/L*	*30.00*		*98*	*71-122*		
Surrogate: Bromofluorobenzene		*28.4*	*ug/L*	*30.00*		*95*	*74.6-123*		
Matrix Spike Dup (B307210-MSD1)		**Source: 3050344-02**		Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane		18.8	ug/L	20.00	ND	94	58-143	7	40
1,1,2,2-Tetrachloroethane		16.2	ug/L	20.00	ND	81	70-133	10	40
1,1,2-Trichloroethane		16.6	ug/L	20.00	ND	83	73-130	3	40
1,1-Dichloroethane		18.8	ug/L	20.00	ND	94	55-146	5	40

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Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA								
Matrix Spike Dup (B307210-MSD1)	**Source: 3050344-02**		Prepared & Analyzed: 05/07/13					
1,1-Dichloroethene	21.0	ug/L	20.00	ND	105	51-150	2	40
1,2-Dichlorobenzene	13.8	ug/L	20.00	ND	69	62-120	6	40
1,2-Dichloroethane	17.5	ug/L	20.00	ND	87	67-143	5	40
1,2-Dichloropropane	17.4	ug/L	20.00	ND	87	66-134	6	40
1,3-Dichlorobenzene	15.4	ug/L	20.00	ND	77	67-124	8	40
1,4-Dichlorobenzene	14.7	ug/L	20.00	ND	73	66-123	10	40
Acrolein	95.3	ug/L	100.0	ND	95	14-156	2	40
Acrylonitrile	21.5	ug/L	20.00	ND	108	46-116	10	40
Benzene	16.7	ug/L	20.00	ND	84	69-126	6	40
Bromodichloromethane	15.4	ug/L	20.00	ND	77	67-128	3	40
Bromoform	15.8	ug/L	20.00	ND	79	42-132	7	40
Bromomethane	16.8	ug/L	20.00	ND	84	5-138	7	40
Carbon tetrachloride	19.1	ug/L	20.00	ND	95	53-151	6	40
Chlorobenzene	16.5	ug/L	20.00	ND	83	67-124	4	40
Chloroethane	17.6	ug/L	20.00	ND	88	35-123	6	40
Chloroform	19.0	ug/L	20.00	ND	95	41-155	7	40
Chloromethane	17.6	ug/L	20.00	ND	88	39-120	13	40
cis-1,3-Dichloropropene	16.5	ug/L	20.00	ND	83	68-126	3	40
Dibromochloromethane	15.7	ug/L	20.00	ND	78	68-131	0.2	40
Ethylbenzene	26.8	ug/L	20.00	11.6	76	68-128	5	40
m,p-Xylene	73.0	ug/L	40.00	43.6	73	64-122	5	40
Methylene chloride	20.2	ug/L	20.00	ND	101	70-150	5	40
o-Xylene	25.7	ug/L	20.00	11.2	72	65-122	5	40
Tetrachloroethene	16.0	ug/L	20.00	ND	80	42-132	4	40
Toluene	16.4	ug/L	20.00	ND	82	64-137	5	40
trans-1,2-Dichloroethene	19.2	ug/L	20.00	ND	96	57-145	13	40
trans-1,3-Dichloropropene	16.3	ug/L	20.00	ND	81	66-121	6	40
Trichloroethene	17.2	ug/L	20.00	ND	86	69-131	5	40
Trichlorofluoromethane	20.7	ug/L	20.00	ND	103	36-162	8	40
Vinyl chloride	21.1	ug/L	20.00	ND	106	24-137	16	40
Surrogate: 1,2-Dichloroethane-d4	*31.0*	*ug/L*	*30.00*		*103*	*63.3-137*		
Surrogate: Toluene-d8	*28.5*	*ug/L*	*30.00*		*95*	*71-122*		
Surrogate: Bromofluorobenzene	*27.5*	*ug/L*	*30.00*		*92*	*74.6-123*		

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
Blank (B307166-BLK1)			Prepared: 05/07/13 Analyzed: 05/08/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
Blank (B307166-BLK1)			Prepared: 05/07/13 Analyzed: 05/08/13					
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	*54*	*ug/L*	*80.00*		*67*	*52.2-99.4*		
Surrogate: Phenol- d5	*57*	*ug/L*	*80.00*		*71*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*59*	*ug/L*	*80.00*		*74*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl	*61*	*ug/L*	*80.00*		*77*	*58-107*		
Surrogate: 2,4,6-Tribromophenol	*50*	*ug/L*	*80.00*		*62*	*37.6-118*		
Surrogate: p-Terphenyl-d14	*60*	*ug/L*	*80.00*		*75*	*42.1-123*		
LCS (B307166-BS1)			Prepared: 05/07/13 Analyzed: 05/08/13					
1,2,4-Trichlorobenzene	55	ug/L	80.00		69	56-88		
1,2-Dichlorobenzene	56	ug/L	80.00		70	56-86		
1,3-Dichlorobenzene	54	ug/L	80.00		68	54-84		
1,4-Dichlorobenzene	57	ug/L	80.00		71	55-87		
2,4,5-Trichlorophenol	65	ug/L	80.00		81	54-107		

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
LCS (B307166-BS1)			Prepared: 05/07/13 Analyzed: 05/08/13					
2,4,6-Trichlorophenol	65	ug/L	80.00		82	53-108		
2,4-Dichlorophenol	61	ug/L	80.00		77	57-100		
2,4-Dimethylphenol	63	ug/L	80.00		79	58-99		
2,4-Dinitrophenol	49	ug/L	80.00		61	41-122		
2,4-Dinitrotoluene	57	ug/L	80.00		72	46-100		
2,6-Dimethylaniline	54	ug/L				56-92		
2,6-Dinitrotoluene	56	ug/L	80.00		70	53-100		
2-Chloronaphthalene	56	ug/L	80.00		70	54-90		
2-Chlorophenol	63	ug/L	80.00		79	59-97		
2-Methylnaphthalene	57	ug/L				51-95		
2-Methylphenol	65	ug/L	80.00		82	56-107		
2-Nitroaniline	55	ug/L				51-97		
2-Nitrophenol	63	ug/L	80.00		79	56-105		
3- & 4-Methylphenol	61	ug/L	80.00		76	56-100		
3,3'-Dichlorobenzidine	74	ug/L	80.00		92	50-107		
3-Nitroaniline	53	ug/L				54-93		
4,6-Dinitro-2-methylphenol	49	ug/L	80.00		62	51-102		
4-Bromophenylphenyl ether	56	ug/L	80.00		70	52-97		
4-Chloro-3-methylphenol	62	ug/L	80.00		77	58-102		
4-Chloroaniline	54	ug/L				59-89		
4-Chlorophenylphenyl ether	57	ug/L	80.00		72	52-98		
4-Nitroaniline	57	ug/L				58-88		
4-Nitrophenol	63	ug/L	80.00		79	47-114		
Acenaphthene	57	ug/L	80.00		71	54-93		
Acenaphthylene	57	ug/L	80.00		71	56-93		
Aniline	55	ug/L				53-96		
Anthracene	60	ug/L	80.00		75	57-94		
Azobenzene	55	ug/L	80.00		69	44-98		
Benzidine	14	ug/L	80.00		17	10-68		
Benzo(a)anthracene	56	ug/L	80.00		70	45-94		
Benzo(a)pyrene	62	ug/L	80.00		77	50-111		
Benzo(b&k)fluoranthene	123	ug/L	160.0		77	52-102		
Benzo(b)fluoranthene	60	ug/L	80.00		75	50-108		
Benzo(g,h,i)perylene	67	ug/L	80.00		84	45-102		
Benzo(k)fluoranthene	73	ug/L	80.00		91	50-98		
Benzoic Acid	70	ug/L	80.00		88	43-117		
Benzyl alcohol	57	ug/L				53-92		
Bis(2-chloroethoxy) methane	50	ug/L	80.00		63	52-89		
Bis(2-chloroethyl) ether	50	ug/L	80.00		63	55-88		

3050533

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: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
LCS (B307166-BS1)			Prepared: 05/07/13 Analyzed: 05/08/13					
Bis(2-chloroisopropyl) ether	54	ug/L	80.00		68	37-81		
Bis(2-ethylhexyl) phthalate	57	ug/L	80.00		71	44-97		
Butyl benzyl phthalate	58	ug/L	80.00		73	44-96		
Carbazole	56	ug/L				57-88		
Chrysene	60	ug/L	80.00		75	50-100		
Dibenzo(a,h)anthracene	70	ug/L	80.00		87	53-99		
Dibenzofuran	57	ug/L				58-91		
Diethyl phthalate	54	ug/L	80.00		68	53-92		
Dimethyl phthalate	57	ug/L	80.00		71	53-93		
Di-n-butyl phthalate	54	ug/L	80.00		68	55-96		
Di-n-octyl phthalate	59	ug/L	80.00		73	42-110		
Diphenylamine	69	ug/L	80.00		86	49-97		
Fluoranthene	56	ug/L	80.00		69	56-92		
Fluorene	56	ug/L	80.00		70	52-97		
Hexachlorobenzene	56	ug/L	80.00		70	51-98		
Hexachlorobutadiene	53	ug/L	80.00		66	54-92		
Hexachlorocyclopentadiene	24	ug/L	80.00		30	27-85		
Hexachloroethane	50	ug/L	80.00		62	56-83		
Indeno(1,2,3-cd)pyrene	68	ug/L	80.00		85	50-106		
Isophorone	50	ug/L	80.00		62	52-85		
Naphthalene	56	ug/L	80.00		70	59-87		
Nitrobenzene	53	ug/L	80.00		67	48-95		
N-Nitrosodimethylamine	51	ug/L	80.00		64	53-90		
N-Nitrosodi-n-propylamine	49	ug/L	80.00		61	47-87		
Pentachlorophenol	64	ug/L	80.00		80	49-128		
Phenanthrene	57	ug/L	80.00		71	55-95		
Phenol	58	ug/L	80.00		73	55-96		
Pyrene	64	ug/L	80.00		80	51-98		
Pyridine	49	ug/L				44-89		
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	*55*	*ug/L*	*80.00*		*69*	*52.2-99.4*		
Surrogate: Phenol- d5	*56*	*ug/L*	*80.00*		*70*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*55*	*ug/L*	*80.00*		*69*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl	*60*	*ug/L*	*80.00*		*75*	*58-107*		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)									
LCS (B307166-BS1)				Prepared: 05/07/13 Analyzed: 05/08/13					
Surrogate: 2,4,6-Tribromophenol		*58*	*ug/L*	*80.00*		*73*	*37.6-118*		
Surrogate: p-Terphenyl-d14		*56*	*ug/L*	*80.00*		*70*	*42.1-123*		
Matrix Spike (B307166-MS1)		**Source: 3050622-01**		Prepared: 05/07/13 Analyzed: 05/09/13					
1,2,4-Trichlorobenzene	Xa	< 400	ug/L	80.00	ND		36-94		
1,2-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		17-110		
1,3-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		27-89		
1,4-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		34-87		
2,4,5-Trichlorophenol	Xa	< 400	ug/L	80.00	ND		15-100		
2,4,6-Trichlorophenol	Xa	< 400	ug/L	80.00	ND		22-101		
2,4-Dichlorophenol	Xa	< 400	ug/L	80.00	ND		10-100		
2,4-Dimethylphenol	Xa	175	ug/L	80.00	139	44	10-94		
2,4-Dinitrophenol	Xa	556	ug/L	80.00	ND	696	10-117		
2,4-Dinitrotoluene	Xa	< 400	ug/L	80.00	ND		34-99		
2,6-Dimethylaniline	Xa	75	ug/L		ND		10-76		
2,6-Dinitrotoluene	Xa	< 400	ug/L	80.00	ND		39-101		
2-Chloronaphthalene	Xa	< 400	ug/L	80.00	ND		39-94		
2-Chlorophenol	Xa	< 400	ug/L	80.00	ND		12-79		
2-Methylnaphthalene	Xa	< 400	ug/L		ND		38-98		
2-Methylphenol	Xa	104	ug/L	80.00	ND	130	10-98		
2-Nitroaniline	Xa	39	ug/L		ND		39-95		
2-Nitrophenol	Xa	< 400	ug/L	80.00	ND		16-102		
3- & 4-Methylphenol	Xa	1670	ug/L	80.00	1770	NR	10-87		
3,3'-Dichlorobenzidine	Xa	< 400	ug/L	80.00	ND		10-112		
3-Nitroaniline	Xa	< 400	ug/L		ND		10-87		
4,6-Dinitro-2-methylphenol	Xa	< 400	ug/L	80.00	ND		10-113		
4-Bromophenylphenyl ether	Xa	< 400	ug/L	80.00	ND		38-103		
4-Chloro-3-methylphenol	Xa	192	ug/L	80.00	ND	241	10-90		
4-Chloroaniline	Xa	< 400	ug/L		ND		10-75		
4-Chlorophenylphenyl ether	Xa	< 400	ug/L	80.00	ND		40-101		
4-Nitroaniline	Xa	< 400	ug/L		ND		10-104		
4-Nitrophenol	Xa	< 400	ug/L	80.00	ND		10-72		
Acenaphthene	Xa	38	ug/L	80.00	ND	48	41-98		
Acenaphthylene	Xa	< 400	ug/L	80.00	ND		41-98		
Aniline	Xa	< 400	ug/L		ND		10-81		
Anthracene	Xa	44	ug/L	80.00	ND	55	40-102		
Azobenzene	Xa	< 400	ug/L	80.00	ND		36-100		
Benzidine	Xa	< 400	ug/L	80.00	ND		10-55		
Benzo(a)anthracene	Xa	< 400	ug/L	80.00	ND		34-99		
Benzo(a)pyrene	Xa	< 400	ug/L	80.00	ND		39-114		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)									
Matrix Spike (B307166-MS1)		**Source: 3050622-01**		Prepared: 05/07/13 Analyzed: 05/09/13					
Benzo(b&k)fluoranthene	Xa	62	ug/L	160.0	ND	39	37-112		
Benzo(b)fluoranthene	Xa	< 400	ug/L	80.00	ND		33-128		
Benzo(g,h,i)perylene	Xa	< 400	ug/L	80.00	ND		25-106		
Benzo(k)fluoranthene	Xa	147	ug/L	80.00	ND	184	33-104		
Benzoic Acid	Xa	1870	ug/L	80.00	2030	NR	10-62		
Benzyl alcohol	Xa	1230	ug/L		1130		10-85		
Bis(2-chloroethoxy) methane	Xa	< 400	ug/L	80.00	ND		28-91		
Bis(2-chloroethyl) ether	Xa	< 400	ug/L	80.00	ND		10-109		
Bis(2-chloroisopropyl) ether	Xa	< 400	ug/L	80.00	ND		10-105		
Bis(2-ethylhexyl) phthalate	Xa	< 400	ug/L	80.00	ND		32-106		
Butyl benzyl phthalate	Xa	< 400	ug/L	80.00	ND		32-98		
Carbazole	Xa	45	ug/L		ND		50-97		
Chrysene	Xa	< 400	ug/L	80.00	ND		40-104		
Dibenzo(a,h)anthracene	Xa	< 400	ug/L	80.00	ND		32-104		
Dibenzofuran	Xa	< 400	ug/L		ND		29-117		
Diethyl phthalate	Xa	< 400	ug/L	80.00	ND		36-99		
Dimethyl phthalate	Xa	< 400	ug/L	80.00	ND		30-94		
Di-n-butyl phthalate	Xa	< 400	ug/L	80.00	ND		42-101		
Di-n-octyl phthalate	Xa	< 400	ug/L	80.00	ND		30-123		
Diphenylamine	Xa	43	ug/L	80.00	ND	53	23-110		
Fluoranthene	Xa	< 400	ug/L	80.00	ND		39-100		
Fluorene	Xa	< 400	ug/L	80.00	ND		40-100		
Hexachlorobenzene	Xa	< 400	ug/L	80.00	ND		35-104		
Hexachlorobutadiene	Xa	< 400	ug/L	80.00	ND		32-99		
Hexachlorocyclopentadiene	Xa	< 400	ug/L	80.00	ND		10-90		
Hexachloroethane	Xa	< 400	ug/L	80.00	ND		15-102		
Indeno(1,2,3-cd)pyrene	Xa	32	ug/L	80.00	ND		32-108		
Isophorone	Xa	80	ug/L	80.00	ND	100	29-85		
Naphthalene	Xa	84	ug/L	80.00	50	43	38-97		
Nitrobenzene	Xa	579	ug/L	80.00	563	19	22-102		
N-Nitrosodimethylamine	Xa	< 400	ug/L	80.00	ND		10-60		
N-Nitrosodi-n-propylamine	Xa	302	ug/L	80.00	ND	377	10-110		
Pentachlorophenol	Xa	269	ug/L	80.00	ND	336	11-127		
Phenanthrene	Xa	37	ug/L	80.00	ND	46	39-101		
Phenol	Xa	3080	ug/L	80.00	3390	NR	10-39		
Pyrene	Xa	35	ug/L	80.00	ND	44	38-106		
Pyridine	Xa	152	ug/L		133		10-23		
1,4-Dichlorobenzene-d4	Xa	1600	ug/L				0-200		
Naphthalene-d8	Xa	1600	ug/L				0-200		

3050533

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/03/13 16:10
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)									
Matrix Spike (B307166-MS1)		**Source: 3050622-01**		Prepared: 05/07/13 Analyzed: 05/09/13					
Acenaphthene-d10	Xa	1600	ug/L				0-200		
Phenanthrene-d10	Xa	1600	ug/L				0-200		
Chrysene-d12	Xa	1600	ug/L				0-200		
Perylene-d12	Xa	1600	ug/L				0-200		
Surrogate: 2-Fluorophenol	*S, Xa*	*46*	*ug/L*	*80.00*		*57*	*10-35*		
Surrogate: Phenol- d5	*S, Xa*	*22*	*ug/L*	*80.00*		*28*	*10-26*		
Surrogate: Nitrobenzene-d5	*S, Xa*	*140*	*ug/L*	*80.00*		*179*	*22-105*		
Surrogate: 2-Fluorobiphenyl	*S, Xa*	*36*	*ug/L*	*80.00*		*45*	*30-97*		
Surrogate: 2,4,6-Tribromophenol	*S, Xa*	*0.0*	*ug/L*	*80.00*			*10-93*		
Surrogate: p-Terphenyl-d14	*S, Xa*	*33*	*ug/L*	*80.00*		*41*	*22-115*		

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Laboratory Results

Notes

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

Xb The intensity of a secondary ion exceeds the relative intensity in the reference spectra.
Xa Matrix spike diluted out due to matrix.
X Failed blank spike with high bias; undetected in samples.
S Surrogate compound diluted below a reliable quantitation level.
Q1 MS Failed %R
H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.
C The blank spike failed to meet the required acceptance criteria.
B1 Blank contamination suspected and the sample result is less than MRL.

Roxann Shull

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: BRIDGETON LANDFILL
ADDRESS: 13570 ST. CHARLES ROCK RD
CITY STATE ZIP: BRIDGETON MO 63044
CONTACT PERSON: BILL ABERNATHY

PROJECT NUMBER | P.O. NUMBER | MEANS SHIPPED
PHONE NUMBER | FAX NUMBER | EMAIL ADDRESS: baberneth@tetraengineering.com
SAMPLER: BILL ABERNATHY
SAMPLER'S SIGNATURE:

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

(FOR LAB USE ONLY)
LOGIN # 305053
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	3 ANALYSIS REQUESTED: COD (HACH 5220C)	TSS (2540D)	NH_3 as N (350.1)	pH (150.1) O+G (1664 REV A)	VOCs (624)	SVOCs (625)	Total + Diss Metals (6007 335.4 245.2)	REMARKS
BATCH 89-MSD	5/3/13	1446	✓		LCHT	8	✓	✓	✓	✓	✓	✓	✓	
TRIP BLANK	—	—	—		—	2					✓			

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7	DATE	TIME		DATE	TIME
RELINQUISHED BY: (SIGNATURE)	5/3/13	1610	RECEIVED BY: Heather Caillaux	5/3/13	16:10
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	14.8 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

PDC Laboratories, Inc.
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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:46
Report Date: 05/13/13
Customer #: 277310

Laboratory Results

Sample No: **3050621-01**
Sample Description: **MSD Batch 92-BOD**

Collect Date: **05/06/13 10:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
BOD	30000 mg/L		05/06/13 14:00	DAW	SM 5210B 18Ed	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:46
Report Date: 05/13/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307127 - 04-No Prep WC								
Blank (B307127-BLK1)			Prepared & Analyzed: 05/06/13					
BOD	< 6.0	mg/L						
LCS (B307127-BS1)			Prepared & Analyzed: 05/06/13					
BOD	225	mg/L	198.0		113	34.6-115.4		
Duplicate (B307127-DUP1)	**Source: 3050547-01**		Prepared & Analyzed: 05/06/13					
BOD	768	mg/L		793			3	20

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Date Received: 05/06/13 13:46
Report Date: 05/13/13
Customer #: 277310

Laboratory Results

Notes

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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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

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: Bridgeton L.F.
ADDRESS: 13570 St. Charles Rock Road
CITY STATE ZIP: Bridgeton, MO 63044
CONTACT PERSON: Ed Galbraith / Scott C. Fedak

PROJECT NUMBER | P.O. NUMBER | MEANS SHIPPED
PHONE NUMBER | FAX NUMBER | EMAIL ADDRESS
SAMPLER: Scott C. Fedak
SAMPLER'S SIGNATURE: Scott C. Fedak

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
LCHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 3050621
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	BOD (5210B)							REMARKS
BATCH 92 - MSD	5/6/13	1045	X	--	LCHT	1	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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/6/13	13:20	Heather Gaillard	5/6/13	13:20
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 6.1 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

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(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977

Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050622-01**
Sample Description: **MSD Batch 92**

Collect Date: **05/06/13 10:45**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	43000	mg/L		05/06/13 16:15	DAW	SM 5220D 18Ed	04KS
Oil & Grease - total	< 43	mg/L		05/07/13 09:00	mep	EPA 1664A	04KS
pH	5.6	pH Units	H	05/06/13 14:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1000	mg/L		05/07/13 16:15	DAW	SM 2540D 18Ed	04KS
Nutrients - STL							
Ammonia-N	600	mg/L		05/07/13 12:00	ACV	SM(18) 4500 NH3 F	04KS
Semivolatile Organics - STL							
1,2,4-Trichlorobenzene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
1,2-Dichlorobenzene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625*	
1,3-Dichlorobenzene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625*	
1,4-Dichlorobenzene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625*	
2,4,5-Trichlorophenol	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625*	
2,4,6-Trichlorophenol	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
2,4-Dichlorophenol	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
2,4-Dimethylphenol	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
2,4-Dinitrophenol	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
2,4-Dinitrotoluene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
2,6-Dimethylaniline	< 200	ug/L	Xa	05/09/13 21:00	jk	EPA 625*	
2,6-Dinitrotoluene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
2-Chloronaphthalene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
2-Chlorophenol	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
2-Nitrophenol	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
3,3'-Dichlorobenzidine	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
4,6-Dinitro-2-methylphenol	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625*	
4-Bromophenylphenyl ether	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
4-Chloro-3-methylphenol	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
4-Chlorophenylphenyl ether	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
4-Nitrophenol	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Acenaphthene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Acenaphthylene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Anthracene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS

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13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050622-01**
Sample Description: **MSD Batch 92**

Collect Date: **05/06/13 10:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Azobenzene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625*	
Benzidine	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625*	
Benzo(a)anthracene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Benzo(a)pyrene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Benzo(b&k)fluoranthene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Benzo(b)fluoranthene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Benzo(g,h,i)perylene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Benzo(k)fluoranthene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Bis(2-chloroethyl) ether	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Bis(2-ethylhexyl) phthalate	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Butyl benzyl phthalate	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Chrysene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Dibenzo(a,h)anthracene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Diethyl phthalate	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Dimethyl phthalate	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Di-n-butyl phthalate	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Di-n-octyl phthalate	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Diphenylamine	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Fluoranthene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Fluorene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Hexachlorobenzene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Hexachlorobutadiene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Hexachlorocyclopentadiene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Hexachloroethane	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Indeno(1,2,3-cd)pyrene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Isophorone	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Naphthalene	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Nitrobenzene	563 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
N-Nitrosodimethylamine	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
N-Nitrosodi-n-propylamine	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Pentachlorophenol	< 400 ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050622-01**
Sample Description: **MSD Batch 92**

Collect Date: **05/06/13 10:45**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
Phenanthrene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Phenol	3390	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Pyrene	< 400	ug/L	Xa	05/09/13 21:00	jk	EPA 625	04KS
Surrogate: 2-Fluorophenol	*57 %*	*10-35*	*S, Xa*	*05/09/13 21:00*	*jk*	*EPA 625*	
Surrogate: Phenol- d5	*32 %*	*10-26*	*S, Xa*	*05/09/13 21:00*	*jk*	*EPA 625*	
Surrogate: Nitrobenzene-d5	*72 %*	*22-105*	*S, Xa*	*05/09/13 21:00*	*jk*	*EPA 625*	
Surrogate: 2-Fluorobiphenyl	*39 %*	*30-97*	*S, Xa*	*05/09/13 21:00*	*jk*	*EPA 625*	
Surrogate: 2,4,6-Tribromophenol	*8 %*	*10-93*	*S, Xa*	*05/09/13 21:00*	*jk*	*EPA 625*	
Surrogate: p-Terphenyl-d14	*36 %*	*22-115*	*S, Xa*	*05/09/13 21:00*	*jk*	*EPA 625*	
Soluble Metals - STL							
Mercury	0.0040	mg/L		05/07/13 13:00	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.016	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Copper	< 0.0020	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Silver	< 0.0020	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.51	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0011	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.038	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Chromium	0.20	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Iron	580	mg/L	B1	05/07/13 18:09	WPS	EPA 200.7 R4.4	04KS
Lead	0.091	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Nickel	0.072	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Selenium	0.042	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Thallium	< 0.020	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Zinc	12	mg/L		05/07/13 18:26	WPS	EPA 200.7 R4.4	04KS
Total Metals - STL							
Mercury	0.042	mg/L		05/07/13 13:00	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Antimony	0.022	mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Arsenic	0.57	mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Beryllium	0.0014	mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Cadmium	0.050	mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Chromium	0.23	mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Copper	0.0020	mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050622-01**
Sample Description: **MSD Batch 92**

Collect Date: **05/06/13 10:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Total Metals - STL						
Iron	750 mg/L		05/07/13 18:13	WPS	EPA 200.7 R4.4	04KS
Lead	0.17 mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Nickel	0.086 mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Selenium	0.047 mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Silver	< 0.0020 mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Thallium	0.022 mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Zinc	13 mg/L		05/07/13 18:30	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
1,1,1-Trichloroethane	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
1,1,2-Trichloroethane	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
1,1-Dichloroethane	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
1,1-Dichloroethene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
1,2-Dichlorobenzene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
1,2-Dichloroethane	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
1,2-Dichloropropane	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
1,4-Dichlorobenzene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Acetone	88000 ug/L		05/07/13 17:27	BP	EPA 624*	
Acrolein	< 500 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Acrylonitrile	< 200 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Benzene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Bromodichloromethane	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Bromoform	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Bromomethane	< 200 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Carbon tetrachloride	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Chlorobenzene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Chloroethane	< 200 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Chloroform	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Chloromethane	< 200 ug/L		05/07/13 18:42	BP	EPA 624	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Dibromochloromethane	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS

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Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050622-01**
Sample Description: **MSD Batch 92**

Collect Date: **05/06/13 10:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Ethylbenzene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
m,p-Xylene	< 200 ug/L		05/07/13 18:42	BP	EPA 624*	
Methylene chloride	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
o-Xylene	< 100 ug/L		05/07/13 18:42	BP	EPA 624*	
Tetrachloroethene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Toluene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Trichloroethene	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Trichlorofluoromethane	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Vinyl chloride	< 100 ug/L		05/07/13 18:42	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*98 % 65-134*		*05/07/13 18:42*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*95 % 74.2-117*		*05/07/13 18:42*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*101 % 74.1-125*		*05/07/13 18:42*	*BP*	*EPA 624*	

Sample No: **3050622-02**
Sample Description: **Trip Blank**

Collect Date: **05/06/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,1,1-Trichloroethane	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
1,1,2-Trichloroethane	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
1,1-Dichloroethane	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
1,1-Dichloroethene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
1,2-Dichlorobenzene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
1,2-Dichloroethane	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
1,2-Dichloropropane	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
1,3-Dichlorobenzene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
1,4-Dichlorobenzene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Acetone	< 10 ug/L		05/07/13 14:32	BP	EPA 624*	

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Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Sample No: **3050622-02**
Sample Description: **Trip Blank**

Collect Date: **05/06/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Acrolein	< 25 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Acrylonitrile	< 10 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Benzene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Bromodichloromethane	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Bromoform	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Bromomethane	< 10 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Carbon tetrachloride	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Chlorobenzene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Chloroethane	< 10 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Chloroform	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Chloromethane	< 10 ug/L		05/07/13 14:32	BP	EPA 624	04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Dibromochloromethane	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Ethylbenzene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
m,p-Xylene	< 10 ug/L		05/07/13 14:32	BP	EPA 624*	
Methylene chloride	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
o-Xylene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624*	
Tetrachloroethene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Toluene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Trichloroethene	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Trichlorofluoromethane	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Vinyl chloride	< 5.0 ug/L		05/07/13 14:32	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*106 % 65-134*		*05/07/13 14:32*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/07/13 14:32*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*92 % 74.1-125*		*05/07/13 14:32*	*BP*	*EPA 624*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307129 - 04-No Prep WC								
Blank (B307129-BLK1)			Prepared & Analyzed: 05/06/13					
COD	< 100	mg/L						
LCS (B307129-BS1)			Prepared & Analyzed: 05/06/13					
COD	510	mg/L	500.0		102	95-105		
Duplicate (B307129-DUP1)	**Source: 3050548-01**		Prepared & Analyzed: 05/06/13					
COD	14700	mg/L		14600			0.3	20
Batch B307185 - 04-No Prep WC								
Calibration Check (B307185-CCV1)			Prepared & Analyzed: 05/06/13					
pH	7.00	pH Units	7.000		100	0-200		
Duplicate (B307185-DUP1)	**Source: 3050533-01**		Prepared & Analyzed: 05/06/13					
pH	5.70	pH Units		5.71			0.2	10
Batch B307195 - 04-No Prep WC								
Blank (B307195-BLK1)			Prepared & Analyzed: 05/07/13					
Oil & Grease - total	< 5.0	mg/L						
LCS (B307195-BS1)			Prepared & Analyzed: 05/07/13					
Oil & Grease - total	38.5	mg/L	40.00		96	78-114		
LCS Dup (B307195-BSD1)			Prepared & Analyzed: 05/07/13					
Oil & Grease - total	39.2	mg/L	40.00		98	78-114	2	18
Batch B307242 - 04-No Prep WC								
Blank (B307242-BLK1)			Prepared & Analyzed: 05/07/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B307242-BS1)			Prepared & Analyzed: 05/07/13					
Solids - total suspended solids (TSS)	96.0	mg/L	100.0		96	82.9-110		
Duplicate (B307242-DUP1)	**Source: 3050648-02**		Prepared & Analyzed: 05/07/13					
Solids - total suspended solids (TSS)	9.60	mg/L		10.0			4	5

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307237 - 04-No Prep WC								
Blank (B307237-BLK1)			Prepared & Analyzed: 05/07/13					
Ammonia-N	< 0.010	mg/L						

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Laboratory Results

Nutrients - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307237 - 04-No Prep WC								
LCS (B307237-BS1)			Prepared & Analyzed: 05/07/13					
Ammonia-N	10.0	mg/L	10.00		100	80-120		
Matrix Spike (B307237-MS1)	**Source: 3050531-03**		Prepared & Analyzed: 05/07/13					
Ammonia-N	9.82	mg/L	10.00	ND	98	80-120		
Matrix Spike Dup (B307237-MSD1)	**Source: 3050531-03**		Prepared & Analyzed: 05/07/13					
Ammonia-N	9.73	mg/L	10.00	ND	97	80-120	0.9	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307189 - 04-SW 7470A/245.1								
Blank (B307189-BLK1)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
Blank (B307189-BLK2)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
Blank (B307189-BLK3)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
LCS (B307189-BS1)			Prepared & Analyzed: 05/07/13					
Mercury	0.00222	mg/L	0.002000		111	85-115		
Matrix Spike (B307189-MS1)	**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.00228	mg/L	0.002000	ND	114	70-130		
Matrix Spike (B307189-MS2)	**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.0595	mg/L	0.02000	0.0372	112	70-130		
Matrix Spike Dup (B307189-MSD1)	**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.00219	mg/L	0.002000	ND	110	70-130	4	20
Matrix Spike Dup (B307189-MSD2)	**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury	0.0562	mg/L	0.02000	0.0372	95	70-130	6	20
Batch B307205 - 04 EPA 200.2 R2.8								
Blank (B307205-BLK1)			Prepared & Analyzed: 05/07/13					
Antimony	< 0.010	mg/L						
Arsenic	< 0.015	mg/L						
Beryllium	< 0.0010	mg/L						
Cadmium	< 0.0020	mg/L						
Chromium	< 0.0020	mg/L						

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:50
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Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307205 - 04 EPA 200.2 R2.8								
Blank (B307205-BLK1)			Prepared & Analyzed: 05/07/13					
Copper	< 0.0020	mg/L						
Iron	< 0.010	mg/L						
Lead	< 0.010	mg/L						
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Silver	< 0.0020	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B307205-BS1)			Prepared & Analyzed: 05/07/13					
Antimony	0.0967	mg/L	0.1000		97	85-115		
Arsenic	0.0904	mg/L	0.1000		90	85-115		
Beryllium	0.101	mg/L	0.1000		101	85-115		
Cadmium	0.102	mg/L	0.1000		102	85-115		
Chromium	0.106	mg/L	0.1000		106	85-115		
Copper	0.103	mg/L	0.1000		103	85-115		
Iron	0.0988	mg/L	0.1000		99	85-115		
Lead	0.0991	mg/L	0.1000		99	85-115		
Nickel	0.106	mg/L	0.1000		106	85-115		
Selenium	0.0866	mg/L	0.1000		87	85-115		
Silver	0.0248	mg/L	0.02500		99	85-115		
Thallium	0.0858	mg/L	0.1000		86	85-115		
Zinc	0.102	mg/L	0.1000		102	85-115		
LCS (B307205-BS2)			Prepared & Analyzed: 05/07/13					
Antimony	0.0919	mg/L	0.1000		92	85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Copper	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Silver	< 0.0020	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		
Matrix Spike (B307205-MS1)	**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					
Antimony	0.0917	mg/L	0.1000	ND	92	70-130		

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Date Received: 05/06/13 13:50
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Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307205 - 04 EPA 200.2 R2.8								
Matrix Spike (B307205-MS1)	**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					
Arsenic	0.0987	mg/L	0.1000	ND	99	70-130		
Beryllium	0.106	mg/L	0.1000	ND	106	70-130		
Cadmium	0.103	mg/L	0.1000	ND	103	70-130		
Chromium	0.107	mg/L	0.1000	ND	107	70-130		
Copper	0.102	mg/L	0.1000	0.00292	99	70-130		
Iron	0.190	mg/L	0.1000	0.102	89	70-130		
Lead	0.0994	mg/L	0.1000	ND	99	70-130		
Nickel	0.105	mg/L	0.1000	ND	105	70-130		
Selenium	0.113	mg/L	0.1000	ND	113	70-130		
Silver	0.0244	mg/L	0.02500	ND	97	70-130		
Thallium	0.0833	mg/L	0.1000	ND	83	70-130		
Zinc	0.114	mg/L	0.1000	0.00899	106	70-130		
Matrix Spike Dup (B307205-MSD1)	**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					
Antimony	0.0858	mg/L	0.1000	ND	86	70-130	7	20
Arsenic	0.0918	mg/L	0.1000	ND	92	70-130	7	20
Beryllium	0.106	mg/L	0.1000	ND	106	70-130	0.1	20
Cadmium	0.101	mg/L	0.1000	ND	101	70-130	3	20
Chromium	0.104	mg/L	0.1000	ND	104	70-130	3	20
Copper	0.0992	mg/L	0.1000	0.00292	96	70-130	2	20
Iron	0.187	mg/L	0.1000	0.102	85	70-130	2	20
Lead	0.0946	mg/L	0.1000	ND	95	70-130	5	20
Nickel	0.103	mg/L	0.1000	ND	103	70-130	2	20
Selenium	0.102	mg/L	0.1000	ND	102	70-130	11	20
Silver	0.0235	mg/L	0.02500	ND	94	70-130	4	20
Thallium	0.0701	mg/L	0.1000	ND	70	70-130	17	20
Zinc	0.110	mg/L	0.1000	0.00899	101	70-130	4	20

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307189 - 04-SW 7470A/245.1								
Blank (B307189-BLK1)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
Blank (B307189-BLK2)			Prepared & Analyzed: 05/07/13					
Mercury	< 0.0002	mg/L						
Blank (B307189-BLK3)			Prepared & Analyzed: 05/07/13					

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Laboratory Results

Soluble Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307189 - 04-SW 7470A/245.1									
Blank (B307189-BLK3)				Prepared & Analyzed: 05/07/13					
Mercury		< 0.0002	mg/L						
LCS (B307189-BS1)				Prepared & Analyzed: 05/07/13					
Mercury		0.00222	mg/L	0.002000		111	85-115		
Matrix Spike (B307189-MS1)		**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.00228	mg/L	0.002000	ND	114	70-130		
Matrix Spike (B307189-MS2)		**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.0595	mg/L	0.02000	0.0372	112	70-130		
Matrix Spike Dup (B307189-MSD1)		**Source: 3050202-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.00219	mg/L	0.002000	ND	110	70-130	4	20
Matrix Spike Dup (B307189-MSD2)		**Source: 3050533-01**		Prepared & Analyzed: 05/07/13					
Mercury		0.0562	mg/L	0.02000	0.0372	95	70-130	6	20
Batch B307205 - 04 EPA 200.2 R2.8									
Blank (B307205-BLK1)				Prepared: 05/07/13 Analyzed: 05/08/13					
Silver		< 0.0020	mg/L						
Antimony		< 0.010	mg/L						
Copper		< 0.0020	mg/L						
Arsenic		< 0.015	mg/L						
Beryllium		< 0.0010	mg/L						
Cadmium		< 0.0020	mg/L						
Chromium		< 0.0020	mg/L						
Iron		< 0.010	mg/L						
Lead		< 0.010	mg/L						
Nickel		< 0.0020	mg/L						
Selenium		< 0.010	mg/L						
Thallium		< 0.020	mg/L						
Zinc		< 0.010	mg/L						
Blank (B307205-BLK2)				Prepared & Analyzed: 05/07/13					
Silver		< 0.0020	mg/L						
Antimony		< 0.010	mg/L						
Copper		< 0.0020	mg/L						
Arsenic		< 0.015	mg/L						
Beryllium		< 0.0010	mg/L						
Cadmium		< 0.0020	mg/L						
Chromium		< 0.0020	mg/L						
Iron	B1	0.0102	mg/L						
Lead		< 0.010	mg/L						

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Attn: Ed Galbraith

Date Received: 05/06/13 13:50
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Customer #: 277310

Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307205 - 04 EPA 200.2 R2.8								
Blank (B307205-BLK2)			Prepared & Analyzed: 05/07/13					
Nickel	< 0.0020	mg/L						
Selenium	< 0.010	mg/L						
Thallium	< 0.020	mg/L						
Zinc	< 0.010	mg/L						
LCS (B307205-BS1)			Prepared & Analyzed: 05/07/13					
Copper	0.103	mg/L	0.1000		103	85-115		
Silver	0.0248	mg/L	0.02500		99	85-115		
Antimony	0.0967	mg/L	0.1000		97	85-115		
Arsenic	0.0904	mg/L	0.1000		90	85-115		
Beryllium	0.101	mg/L	0.1000		101	85-115		
Cadmium	0.102	mg/L	0.1000		102	85-115		
Chromium	0.106	mg/L	0.1000		106	85-115		
Iron	0.0988	mg/L	0.1000		99	85-115		
Lead	0.0991	mg/L	0.1000		99	85-115		
Nickel	0.106	mg/L	0.1000		106	85-115		
Selenium	0.0866	mg/L	0.1000		87	85-115		
Thallium	0.0858	mg/L	0.1000		86	85-115		
Zinc	0.102	mg/L	0.1000		102	85-115		
LCS (B307205-BS2)			Prepared & Analyzed: 05/07/13					
Antimony	0.0919	mg/L	0.1000		92	85-115		
Copper	< 0.0020	mg/L				85-115		
Silver	< 0.0020	mg/L				85-115		
Arsenic	< 0.015	mg/L				85-115		
Beryllium	< 0.0010	mg/L				85-115		
Cadmium	< 0.0020	mg/L				85-115		
Chromium	< 0.0020	mg/L				85-115		
Iron	< 0.010	mg/L				85-115		
Lead	< 0.010	mg/L				85-115		
Nickel	< 0.0020	mg/L				85-115		
Selenium	< 0.010	mg/L				85-115		
Thallium	< 0.020	mg/L				85-115		
Zinc	< 0.010	mg/L				85-115		
Matrix Spike (B307205-MS1)	**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					
Silver	0.0244	mg/L	0.02500	ND	97	70-130		
Copper	0.102	mg/L	0.1000	0.00292	99	70-130		
Antimony	0.0917	mg/L	0.1000	ND	92	70-130		
Arsenic	0.0987	mg/L	0.1000	ND	99	70-130		
Beryllium	0.106	mg/L	0.1000	ND	106	70-130		

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Laboratory Results

Soluble Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307205 - 04 EPA 200.2 R2.8								
Matrix Spike (B307205-MS1)	**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					
Cadmium	0.103	mg/L	0.1000	ND	103	70-130		
Chromium	0.107	mg/L	0.1000	ND	107	70-130		
Iron	0.190	mg/L	0.1000	0.102	89	70-130		
Lead	0.0994	mg/L	0.1000	ND	99	70-130		
Nickel	0.105	mg/L	0.1000	ND	105	70-130		
Selenium	0.113	mg/L	0.1000	ND	113	70-130		
Thallium	0.0833	mg/L	0.1000	ND	83	70-130		
Zinc	0.114	mg/L	0.1000	0.00899	106	70-130		
Matrix Spike Dup (B307205-MSD1)	**Source: 3043902-03**		Prepared & Analyzed: 05/07/13					
Silver	0.0235	mg/L	0.02500	ND	94	70-130	4	20
Copper	0.0992	mg/L	0.1000	0.00292	96	70-130	2	20
Antimony	0.0858	mg/L	0.1000	ND	86	70-130	7	20
Arsenic	0.0918	mg/L	0.1000	ND	92	70-130	7	20
Beryllium	0.106	mg/L	0.1000	ND	106	70-130	0.1	20
Cadmium	0.101	mg/L	0.1000	ND	101	70-130	3	20
Chromium	0.104	mg/L	0.1000	ND	104	70-130	3	20
Iron	0.187	mg/L	0.1000	0.102	85	70-130	2	20
Lead	0.0946	mg/L	0.1000	ND	95	70-130	5	20
Nickel	0.103	mg/L	0.1000	ND	103	70-130	2	20
Selenium	0.102	mg/L	0.1000	ND	102	70-130	11	20
Thallium	0.0701	mg/L	0.1000	ND	70	70-130	17	20
Zinc	0.110	mg/L	0.1000	0.00899	101	70-130	4	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA								
Blank (B307210-BLK1)			Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						

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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA								
Blank (B307210-BLK1)			Prepared & Analyzed: 05/07/13					
1,4-Dichlorobenzene	< 5.0	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
Acetone	< 10	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Benzene	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methylene chloride	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl chloride	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*31.9*	*ug/L*	*30.00*		*106*	*65-134*		
Surrogate: Toluene-d8	*28.0*	*ug/L*	*30.00*		*93*	*74.2-117*		
Surrogate: Bromofluorobenzene	*28.5*	*ug/L*	*30.00*		*95*	*74.1-125*		
LCS (B307210-BS1)			Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane	18.8	ug/L	20.00		94	76-131		
1,1,2,2-Tetrachloroethane	19.6	ug/L	20.00		98	79-126		
1,1,2-Trichloroethane	18.9	ug/L	20.00		94	79-123		
1,1-Dichloroethane	19.5	ug/L	20.00		98	74-133		
1,1-Dichloroethene	20.1	ug/L	20.00		101	71-135		
1,2-Dichlorobenzene	18.4	ug/L	20.00		92	76-113		
1,2-Dichloroethane	20.3	ug/L	20.00		101	80-135		
1,2-Dichloropropane	19.8	ug/L	20.00		99	78-127		

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PDC Laboratories, Inc.
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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result		Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA										
LCS (B307210-BS1)					Prepared & Analyzed: 05/07/13					
1,3-Dichlorobenzene		19.5		ug/L	20.00		97	82-119		
1,4-Dichlorobenzene		18.4		ug/L	20.00		92	78-118		
2-Chloroethylvinyl ether		19.0		ug/L	20.00		95	66-138		
Acrolein		96.1		ug/L	100.0		96	38-156		
Acrylonitrile		20.9		ug/L	20.00		105	43-121		
Benzene		18.4		ug/L	20.00		92	84-114		
Bromodichloromethane		17.9		ug/L	20.00		89	82-116		
Bromoform		19.1		ug/L	20.00		95	65-115		
Bromomethane		19.8		ug/L	20.00		99	28-143		
Carbon tetrachloride		19.2		ug/L	20.00		96	72-131		
Chlorobenzene		18.3		ug/L	20.00		92	82-112		
Chloroethane		19.5		ug/L	20.00		97	41-126		
Chloroform		20.0		ug/L	20.00		100	78-124		
Chloromethane		19.4		ug/L	20.00		97	52-110		
cis-1,3-Dichloropropene		19.0		ug/L	20.00		95	82-116		
Dibromochloromethane		18.1		ug/L	20.00		91	83-119		
Ethylbenzene		18.4		ug/L	20.00		92	85-118		
m,p-Xylene		35.8		ug/L	40.00		89	80-111		
Methylene chloride		20.8		ug/L	20.00		104	78-140		
o-Xylene		17.5		ug/L	20.00		88	81-111		
Tetrachloroethene		18.3		ug/L	20.00		91	65-135		
Toluene		18.5		ug/L	20.00		92	81-120		
trans-1,2-Dichloroethene		19.8		ug/L	20.00		99	70-136		
trans-1,3-Dichloropropene		18.4		ug/L	20.00		92	82-113		
Trichloroethene		19.0		ug/L	20.00		95	84-125		
Trichlorofluoromethane		20.6		ug/L	20.00		103	70-138		
Vinyl chloride	C, X	23.3		ug/L	20.00		117	56-112		
Surrogate: 1,2-Dichloroethane-d4			*33.6*	*ug/L*	*30.00*		*112*	*65.3-134*		
Surrogate: Toluene-d8			*28.9*	*ug/L*	*30.00*		*96*	*73.2-119*		
Surrogate: Bromofluorobenzene			*30.6*	*ug/L*	*30.00*		*102*	*77.8-123*		
Matrix Spike (B307210-MS1)		**Source: 3050344-02**			Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane		20.1		ug/L	20.00	ND	100	58-143		
1,1,2,2-Tetrachloroethane		18.0		ug/L	20.00	ND	90	70-133		
1,1,2-Trichloroethane		17.1		ug/L	20.00	ND	85	73-130		
1,1-Dichloroethane		19.7		ug/L	20.00	ND	98	55-146		
1,1-Dichloroethene		21.4		ug/L	20.00	ND	107	51-150		
1,2-Dichlorobenzene		14.6		ug/L	20.00	ND	73	62-120		
1,2-Dichloroethane		18.4		ug/L	20.00	ND	92	67-143		
1,2-Dichloropropane		18.5		ug/L	20.00	ND	93	66-134		

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Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA									
Matrix Spike (B307210-MS1)		**Source: 3050344-02**		Prepared & Analyzed: 05/07/13					
1,3-Dichlorobenzene		16.6	ug/L	20.00	ND	83	67-124		
1,4-Dichlorobenzene		16.2	ug/L	20.00	ND	81	66-123		
Acrolein		97.5	ug/L	100.0	ND	98	14-156		
Acrylonitrile	Q1	23.8	ug/L	20.00	ND	119	46-116		
Benzene		17.8	ug/L	20.00	ND	89	69-126		
Bromodichloromethane		15.9	ug/L	20.00	ND	79	67-128		
Bromoform		16.9	ug/L	20.00	ND	84	42-132		
Bromomethane		15.7	ug/L	20.00	ND	78	5-138		
Carbon tetrachloride		20.2	ug/L	20.00	ND	101	53-151		
Chlorobenzene		17.2	ug/L	20.00	ND	86	67-124		
Chloroethane		18.6	ug/L	20.00	ND	93	35-123		
Chloroform		20.3	ug/L	20.00	ND	102	41-155		
Chloromethane		20.0	ug/L	20.00	ND	100	39-120		
cis-1,3-Dichloropropene		17.1	ug/L	20.00	ND	85	68-126		
Dibromochloromethane		15.7	ug/L	20.00	ND	78	68-131		
Ethylbenzene		28.3	ug/L	20.00	11.6	84	68-128		
m,p-Xylene		76.8	ug/L	40.00	43.6	83	64-122		
Methylene chloride		21.4	ug/L	20.00	ND	107	70-150		
o-Xylene		27.1	ug/L	20.00	11.2	79	65-122		
Tetrachloroethene		16.8	ug/L	20.00	ND	84	42-132		
Toluene		17.2	ug/L	20.00	ND	86	64-137		
trans-1,2-Dichloroethene		21.9	ug/L	20.00	ND	109	57-145		
trans-1,3-Dichloropropene		17.3	ug/L	20.00	ND	86	66-121		
Trichloroethene		18.2	ug/L	20.00	ND	91	69-131		
Trichlorofluoromethane		22.4	ug/L	20.00	ND	112	36-162		
Vinyl chloride		24.9	ug/L	20.00	ND	124	24-137		
Surrogate: 1,2-Dichloroethane-d4		*32.8*	*ug/L*	*30.00*		*109*	*63.3-137*		
Surrogate: Toluene-d8		*29.4*	*ug/L*	*30.00*		*98*	*71-122*		
Surrogate: Bromofluorobenzene		*28.4*	*ug/L*	*30.00*		*95*	*74.6-123*		
Matrix Spike Dup (B307210-MSD1)		**Source: 3050344-02**		Prepared & Analyzed: 05/07/13					
1,1,1-Trichloroethane		18.8	ug/L	20.00	ND	94	58-143	7	40
1,1,2,2-Tetrachloroethane		16.2	ug/L	20.00	ND	81	70-133	10	40
1,1,2-Trichloroethane		16.6	ug/L	20.00	ND	83	73-130	3	40
1,1-Dichloroethane		18.8	ug/L	20.00	ND	94	55-146	5	40
1,1-Dichloroethene		21.0	ug/L	20.00	ND	105	51-150	2	40
1,2-Dichlorobenzene		13.8	ug/L	20.00	ND	69	62-120	6	40
1,2-Dichloroethane		17.5	ug/L	20.00	ND	87	67-143	5	40
1,2-Dichloropropane		17.4	ug/L	20.00	ND	87	66-134	6	40
1,3-Dichlorobenzene		15.4	ug/L	20.00	ND	77	67-124	8	40

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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307210 - 04-No Prep VOA								
Matrix Spike Dup (B307210-MSD1)	**Source: 3050344-02**		Prepared & Analyzed: 05/07/13					
1,4-Dichlorobenzene	14.7	ug/L	20.00	ND	73	66-123	10	40
Acrolein	95.3	ug/L	100.0	ND	95	14-156	2	40
Acrylonitrile	21.5	ug/L	20.00	ND	108	46-116	10	40
Benzene	16.7	ug/L	20.00	ND	84	69-126	6	40
Bromodichloromethane	15.4	ug/L	20.00	ND	77	67-128	3	40
Bromoform	15.8	ug/L	20.00	ND	79	42-132	7	40
Bromomethane	16.8	ug/L	20.00	ND	84	5-138	7	40
Carbon tetrachloride	19.1	ug/L	20.00	ND	95	53-151	6	40
Chlorobenzene	16.5	ug/L	20.00	ND	83	67-124	4	40
Chloroethane	17.6	ug/L	20.00	ND	88	35-123	6	40
Chloroform	19.0	ug/L	20.00	ND	95	41-155	7	40
Chloromethane	17.6	ug/L	20.00	ND	88	39-120	13	40
cis-1,3-Dichloropropene	16.5	ug/L	20.00	ND	83	68-126	3	40
Dibromochloromethane	15.7	ug/L	20.00	ND	78	68-131	0.2	40
Ethylbenzene	26.8	ug/L	20.00	11.6	76	68-128	5	40
m,p-Xylene	73.0	ug/L	40.00	43.6	73	64-122	5	40
Methylene chloride	20.2	ug/L	20.00	ND	101	70-150	5	40
o-Xylene	25.7	ug/L	20.00	11.2	72	65-122	5	40
Tetrachloroethene	16.0	ug/L	20.00	ND	80	42-132	4	40
Toluene	16.4	ug/L	20.00	ND	82	64-137	5	40
trans-1,2-Dichloroethene	19.2	ug/L	20.00	ND	96	57-145	13	40
trans-1,3-Dichloropropene	16.3	ug/L	20.00	ND	81	66-121	6	40
Trichloroethene	17.2	ug/L	20.00	ND	86	69-131	5	40
Trichlorofluoromethane	20.7	ug/L	20.00	ND	103	36-162	8	40
Vinyl chloride	21.1	ug/L	20.00	ND	106	24-137	16	40
Surrogate: 1,2-Dichloroethane-d4	*31.0*	*ug/L*	*30.00*		*103*	*63.3-137*		
Surrogate: Toluene-d8	*28.5*	*ug/L*	*30.00*		*95*	*71-122*		
Surrogate: Bromofluorobenzene	*27.5*	*ug/L*	*30.00*		*92*	*74.6-123*		

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
Blank (B307166-BLK1)			Prepared: 05/07/13 Analyzed: 05/08/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
Blank (B307166-BLK1)			Prepared: 05/07/13 Analyzed: 05/08/13					
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
Blank (B307166-BLK1)			Prepared: 05/07/13 Analyzed: 05/08/13					
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	*54*	*ug/L*	*80.00*		*67*	*52.2-99.4*		
Surrogate: Phenol- d5	*57*	*ug/L*	*80.00*		*71*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*59*	*ug/L*	*80.00*		*74*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl	*61*	*ug/L*	*80.00*		*77*	*58-107*		
Surrogate: 2,4,6-Tribromophenol	*50*	*ug/L*	*80.00*		*62*	*37.6-118*		
Surrogate: p-Terphenyl-d14	*60*	*ug/L*	*80.00*		*75*	*42.1-123*		
LCS (B307166-BS1)			Prepared: 05/07/13 Analyzed: 05/08/13					
1,2,4-Trichlorobenzene	55	ug/L	80.00		69	56-88		
1,2-Dichlorobenzene	56	ug/L	80.00		70	56-86		
1,3-Dichlorobenzene	54	ug/L	80.00		68	54-84		
1,4-Dichlorobenzene	57	ug/L	80.00		71	55-87		
2,4,5-Trichlorophenol	65	ug/L	80.00		81	54-107		
2,4,6-Trichlorophenol	65	ug/L	80.00		82	53-108		
2,4-Dichlorophenol	61	ug/L	80.00		77	57-100		
2,4-Dimethylphenol	63	ug/L	80.00		79	58-99		

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
LCS (B307166-BS1)			Prepared: 05/07/13 Analyzed: 05/08/13					
2,4-Dinitrophenol	49	ug/L	80.00		61	41-122		
2,4-Dinitrotoluene	57	ug/L	80.00		72	46-100		
2,6-Dimethylaniline	54	ug/L				56-92		
2,6-Dinitrotoluene	56	ug/L	80.00		70	53-100		
2-Chloronaphthalene	56	ug/L	80.00		70	54-90		
2-Chlorophenol	63	ug/L	80.00		79	59-97		
2-Methylnaphthalene	57	ug/L				51-95		
2-Methylphenol	65	ug/L	80.00		82	56-107		
2-Nitroaniline	55	ug/L				51-97		
2-Nitrophenol	63	ug/L	80.00		79	56-105		
3- & 4-Methylphenol	61	ug/L	80.00		76	56-100		
3,3'-Dichlorobenzidine	74	ug/L	80.00		92	50-107		
3-Nitroaniline	53	ug/L				54-93		
4,6-Dinitro-2-methylphenol	49	ug/L	80.00		62	51-102		
4-Bromophenylphenyl ether	56	ug/L	80.00		70	52-97		
4-Chloro-3-methylphenol	62	ug/L	80.00		77	58-102		
4-Chloroaniline	54	ug/L				59-89		
4-Chlorophenylphenyl ether	57	ug/L	80.00		72	52-98		
4-Nitroaniline	57	ug/L				58-88		
4-Nitrophenol	63	ug/L	80.00		79	47-114		
Acenaphthene	57	ug/L	80.00		71	54-93		
Acenaphthylene	57	ug/L	80.00		71	56-93		
Aniline	55	ug/L				53-96		
Anthracene	60	ug/L	80.00		75	57-94		
Azobenzene	55	ug/L	80.00		69	44-98		
Benzidine	14	ug/L	80.00		17	10-68		
Benzo(a)anthracene	56	ug/L	80.00		70	45-94		
Benzo(a)pyrene	62	ug/L	80.00		77	50-111		
Benzo(b&k)fluoranthene	123	ug/L	160.0		77	52-102		
Benzo(b)fluoranthene	60	ug/L	80.00		75	50-108		
Benzo(g,h,i)perylene	67	ug/L	80.00		84	45-102		
Benzo(k)fluoranthene	73	ug/L	80.00		91	50-98		
Benzoic Acid	70	ug/L	80.00		88	43-117		
Benzyl alcohol	57	ug/L				53-92		
Bis(2-chloroethoxy) methane	50	ug/L	80.00		63	52-89		
Bis(2-chloroethyl) ether	50	ug/L	80.00		63	55-88		
Bis(2-chloroisopropyl) ether	54	ug/L	80.00		68	37-81		
Bis(2-ethylhexyl) phthalate	57	ug/L	80.00		71	44-97		
Butyl benzyl phthalate	58	ug/L	80.00		73	44-96		

3050622

PDC Laboratories, Inc.
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(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977

Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)								
LCS (B307166-BS1)			Prepared: 05/07/13 Analyzed: 05/08/13					
Carbazole	56	ug/L				57-88		
Chrysene	60	ug/L	80.00		75	50-100		
Dibenzo(a,h)anthracene	70	ug/L	80.00		87	53-99		
Dibenzofuran	57	ug/L				58-91		
Diethyl phthalate	54	ug/L	80.00		68	53-92		
Dimethyl phthalate	57	ug/L	80.00		71	53-93		
Di-n-butyl phthalate	54	ug/L	80.00		68	55-96		
Di-n-octyl phthalate	59	ug/L	80.00		73	42-110		
Diphenylamine	69	ug/L	80.00		86	49-97		
Fluoranthene	56	ug/L	80.00		69	56-92		
Fluorene	56	ug/L	80.00		70	52-97		
Hexachlorobenzene	56	ug/L	80.00		70	51-98		
Hexachlorobutadiene	53	ug/L	80.00		66	54-92		
Hexachlorocyclopentadiene	24	ug/L	80.00		30	27-85		
Hexachloroethane	50	ug/L	80.00		62	56-83		
Indeno(1,2,3-cd)pyrene	68	ug/L	80.00		85	50-106		
Isophorone	50	ug/L	80.00		62	52-85		
Naphthalene	56	ug/L	80.00		70	59-87		
Nitrobenzene	53	ug/L	80.00		67	48-95		
N-Nitrosodimethylamine	51	ug/L	80.00		64	53-90		
N-Nitrosodi-n-propylamine	49	ug/L	80.00		61	47-87		
Pentachlorophenol	64	ug/L	80.00		80	49-128		
Phenanthrene	57	ug/L	80.00		71	55-95		
Phenol	58	ug/L	80.00		73	55-96		
Pyrene	64	ug/L	80.00		80	51-98		
Pyridine	49	ug/L				44-89		
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	*55*	*ug/L*	*80.00*		*69*	*52.2-99.4*		
Surrogate: Phenol- d5	*56*	*ug/L*	*80.00*		*70*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*55*	*ug/L*	*80.00*		*69*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl	*60*	*ug/L*	*80.00*		*75*	*58-107*		
Surrogate: 2,4,6-Tribromophenol	*58*	*ug/L*	*80.00*		*73*	*37.6-118*		
Surrogate: p-Terphenyl-d14	*56*	*ug/L*	*80.00*		*70*	*42.1-123*		
Matrix Spike (B307166-MS1)	**Source: 3050622-01**		Prepared: 05/07/13 Analyzed: 05/09/13					

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)									
Matrix Spike (B307166-MS1)		**Source: 3050622-01**		Prepared: 05/07/13 Analyzed: 05/09/13					
1,2,4-Trichlorobenzene	Xa	< 400	ug/L	80.00	ND		36-94		
1,2-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		17-110		
1,3-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		27-89		
1,4-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		34-87		
2,4,5-Trichlorophenol	Xa	< 400	ug/L	80.00	ND		15-100		
2,4,6-Trichlorophenol	Xa	< 400	ug/L	80.00	ND		22-101		
2,4-Dichlorophenol	Xa	< 400	ug/L	80.00	ND		10-100		
2,4-Dimethylphenol	Xa	175	ug/L	80.00	139	44	10-94		
2,4-Dinitrophenol	Xa	556	ug/L	80.00	ND	696	10-117		
2,4-Dinitrotoluene	Xa	< 400	ug/L	80.00	ND		34-99		
2,6-Dimethylaniline	Xa	75	ug/L		ND		10-76		
2,6-Dinitrotoluene	Xa	< 400	ug/L	80.00	ND		39-101		
2-Chloronaphthalene	Xa	< 400	ug/L	80.00	ND		39-94		
2-Chlorophenol	Xa	< 400	ug/L	80.00	ND		12-79		
2-Methylnaphthalene	Xa	< 400	ug/L		ND		38-98		
2-Methylphenol	Xa	104	ug/L	80.00	ND	130	10-98		
2-Nitroaniline	Xa	39	ug/L		ND		39-95		
2-Nitrophenol	Xa	< 400	ug/L	80.00	ND		16-102		
3- & 4-Methylphenol	Xa	1670	ug/L	80.00	1770	NR	10-87		
3,3'-Dichlorobenzidine	Xa	< 400	ug/L	80.00	ND		10-112		
3-Nitroaniline	Xa	< 400	ug/L		ND		10-87		
4,6-Dinitro-2-methylphenol	Xa	< 400	ug/L	80.00	ND		10-113		
4-Bromophenylphenyl ether	Xa	< 400	ug/L	80.00	ND		38-103		
4-Chloro-3-methylphenol	Xa	192	ug/L	80.00	ND	241	10-90		
4-Chloroaniline	Xa	< 400	ug/L		ND		10-75		
4-Chlorophenylphenyl ether	Xa	< 400	ug/L	80.00	ND		40-101		
4-Nitroaniline	Xa	< 400	ug/L		ND		10-104		
4-Nitrophenol	Xa	< 400	ug/L	80.00	ND		10-72		
Acenaphthene	Xa	38	ug/L	80.00	ND	48	41-98		
Acenaphthylene	Xa	< 400	ug/L	80.00	ND		41-98		
Aniline	Xa	< 400	ug/L		ND		10-81		
Anthracene	Xa	44	ug/L	80.00	ND	55	40-102		
Azobenzene	Xa	< 400	ug/L	80.00	ND		36-100		
Benzidine	Xa	< 400	ug/L	80.00	ND		10-55		
Benzo(a)anthracene	Xa	< 400	ug/L	80.00	ND		34-99		
Benzo(a)pyrene	Xa	< 400	ug/L	80.00	ND		39-114		
Benzo(b&k)fluoranthene	Xa	62	ug/L	160.0	ND	39	37-112		
Benzo(b)fluoranthene	Xa	< 400	ug/L	80.00	ND		33-128		
Benzo(g,h,i)perylene	Xa	< 400	ug/L	80.00	ND		25-106		

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St. Louis, MO 63044
Attn: Ed Galbraith

Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)									
Matrix Spike (B307166-MS1)		**Source: 3050622-01**		Prepared: 05/07/13 Analyzed: 05/09/13					
Benzo(k)fluoranthene	Xa	147	ug/L	80.00	ND	184	33-104		
Benzoic Acid	Xa	1870	ug/L	80.00	2030	NR	10-62		
Benzyl alcohol	Xa	1230	ug/L		1130		10-85		
Bis(2-chloroethoxy) methane	Xa	< 400	ug/L	80.00	ND		28-91		
Bis(2-chloroethyl) ether	Xa	< 400	ug/L	80.00	ND		10-109		
Bis(2-chloroisopropyl) ether	Xa	< 400	ug/L	80.00	ND		10-105		
Bis(2-ethylhexyl) phthalate	Xa	< 400	ug/L	80.00	ND		32-106		
Butyl benzyl phthalate	Xa	< 400	ug/L	80.00	ND		32-98		
Carbazole	Xa	45	ug/L		ND		50-97		
Chrysene	Xa	< 400	ug/L	80.00	ND		40-104		
Dibenzo(a,h)anthracene	Xa	< 400	ug/L	80.00	ND		32-104		
Dibenzofuran	Xa	< 400	ug/L		ND		29-117		
Diethyl phthalate	Xa	< 400	ug/L	80.00	ND		36-99		
Dimethyl phthalate	Xa	< 400	ug/L	80.00	ND		30-94		
Di-n-butyl phthalate	Xa	< 400	ug/L	80.00	ND		42-101		
Di-n-octyl phthalate	Xa	< 400	ug/L	80.00	ND		30-123		
Diphenylamine	Xa	43	ug/L	80.00	ND	53	23-110		
Fluoranthene	Xa	< 400	ug/L	80.00	ND		39-100		
Fluorene	Xa	< 400	ug/L	80.00	ND		40-100		
Hexachlorobenzene	Xa	< 400	ug/L	80.00	ND		35-104		
Hexachlorobutadiene	Xa	< 400	ug/L	80.00	ND		32-99		
Hexachlorocyclopentadiene	Xa	< 400	ug/L	80.00	ND		10-90		
Hexachloroethane	Xa	< 400	ug/L	80.00	ND		15-102		
Indeno(1,2,3-cd)pyrene	Xa	32	ug/L	80.00	ND		32-108		
Isophorone	Xa	80	ug/L	80.00	ND	100	29-85		
Naphthalene	Xa	84	ug/L	80.00	50	43	38-97		
Nitrobenzene	Xa	579	ug/L	80.00	563	19	22-102		
N-Nitrosodimethylamine	Xa	< 400	ug/L	80.00	ND		10-60		
N-Nitrosodi-n-propylamine	Xa	302	ug/L	80.00	ND	377	10-110		
Pentachlorophenol	Xa	269	ug/L	80.00	ND	336	11-127		
Phenanthrene	Xa	37	ug/L	80.00	ND	46	39-101		
Phenol	Xa	3080	ug/L	80.00	3390	NR	10-39		
Pyrene	Xa	35	ug/L	80.00	ND	44	38-106		
Pyridine	Xa	152	ug/L		133		10-23		
1,4-Dichlorobenzene-d4	Xa	1600	ug/L				0-200		
Naphthalene-d8	Xa	1600	ug/L				0-200		
Acenaphthene-d10	Xa	1600	ug/L				0-200		
Phenanthrene-d10	Xa	1600	ug/L				0-200		
Chrysene-d12	Xa	1600	ug/L				0-200		

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Date Received: 05/06/13 13:50
Report Date: 05/10/13
Customer #: 277310

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307166 - 04 SW 3510 (625/8270)									
Matrix Spike (B307166-MS1)		**Source: 3050622-01**		Prepared: 05/07/13 Analyzed: 05/09/13					
Perylene-d12	Xa	1600	ug/L				0-200		
Surrogate: 2-Fluorophenol	*S, Xa*	*46*	*ug/L*	*80.00*		*57*	*10-35*		
Surrogate: Phenol- d5	*S, Xa*	*22*	*ug/L*	*80.00*		*28*	*10-26*		
Surrogate: Nitrobenzene-d5	*S, Xa*	*140*	*ug/L*	*80.00*		*179*	*22-105*		
Surrogate: 2-Fluorobiphenyl	*S, Xa*	*36*	*ug/L*	*80.00*		*45*	*30-97*		
Surrogate: 2,4,6-Tribromophenol	*S, Xa*	*0.0*	*ug/L*	*80.00*			*10-93*		
Surrogate: p-Terphenyl-d14	*S, Xa*	*33*	*ug/L*	*80.00*		*41*	*22-115*		

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Date Received: 05/06/13 13:50
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Customer #: 277310

Laboratory Results

Notes

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

Xa Matrix spike diluted out due to matrix.
X Failed blank spike with high bias; undetected in samples.
S Surrogate compound diluted below a reliable quantitation level.
Q1 MS Failed %R
H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.
C The blank spike failed to meet the required acceptance criteria.
B1 Blank contamination suspected and the sample result is less than MRL.

Roxann Shull

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: Bridgeton L.F.	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 St. Charles Rock Road	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: Bridgeton MO 63044	SAMPLER: Scott C. Fedak		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, NAL-NONAQUEOUS, SOIL-SOILS
CONTACT PERSON: Ed Galbiarth / Scott C. Fedak	SAMPLER'S SIGNATURE: Scott C. Fedak		

(FOR LAB USE ONLY)
LOGIN # 30506022
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	3 ANALYSIS REQUESTED: COD	TSS/pH (2540D) (150.1)	NH_3 as N (350.1 Rev 2)	Oil & Grease (1664 Rev A)	VOC_s (624)	$SVOC_s$ (625)	Total + Dissolved Metals (200.7, 335.4, 245.2)	REMARKS
BATCH 92 - MSD	5/6/13	1045	X	--	L'CHT	8	X	X	X	X	X	X	X	
Trip Blank	--	--	--	--	--	2					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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/6/13	13:20	Heather Gallant	5/6/13	13:20
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	6.1 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-01**
Sample Description: **Untreated Commingled TCLP Voa 6**

Collect Date: **05/06/13 20:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics- TCLP - STL					
1,1-Dichloroethene	< 200 ug/L		05/16/13 13:52	BP	SW 8260B*
1,2-Dichloroethane	< 200 ug/L		05/16/13 13:52	BP	SW 8260B*
1,4-Dichlorobenzene	< 200 ug/L		05/16/13 13:52	BP	SW 8260B*
2-Butanone	1300 ug/L		05/16/13 13:52	BP	SW 8260B*
Benzene	< 200 ug/L		05/16/13 13:52	BP	SW 8260B*
Carbon tetrachloride	< 200 ug/L		05/16/13 13:52	BP	SW 8260B*
Chlorobenzene	< 200 ug/L		05/16/13 13:52	BP	SW 8260B*
Chloroform	< 200 ug/L		05/16/13 13:52	BP	SW 8260B*
Tetrachloroethene	< 200 ug/L		05/16/13 13:52	BP	SW 8260B*
Trichloroethene	< 200 ug/L		05/16/13 13:52	BP	SW 8260B*
Vinyl chloride	< 200 ug/L		05/16/13 13:52	BP	SW 8260B*
Surrogate: 1,2-Dichloroethane-d4	*108 % 59.4-135*		*05/16/13 13:52*	*BP*	*SW 8260B*
Surrogate: Toluene-d8	*104 % 77.7-111*		*05/16/13 13:52*	*BP*	*SW 8260B*
Surrogate: Bromofluorobenzene	*98 % 74-125*		*05/16/13 13:52*	*BP*	*SW 8260B*

Sample No: **3050958-02**
Sample Description: **Untreated Commingled TOC 6**

Collect Date: **05/06/13 20:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - PIA						
Total Organic Carbon (TOC)	14000 mg/L		05/10/13 01:25	lgtas	5310C	KS,IL,IA,WI, AR

Sample No: **3050958-03**
Sample Description: **Untreated Commingled Solids 6**

Collect Date: **05/06/13 20:55**
Matrix: **Solid**

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
Solids - total solids (TS)	4.1 %		05/09/13 16:00	ACV	SM 2540G 18Ed*

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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-04**
Sample Description: **Untreated Commingled Voa/Svoc 21**

Collect Date: **05/06/13 21:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
1,2-Dichlorobenzene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
1,3-Dichlorobenzene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
1,4-Dichlorobenzene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2,4,5-Trichlorophenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2,4,6-Trichlorophenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2,4-Dichlorophenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2,4-Dimethylphenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2,4-Dinitrophenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2,4-Dinitrotoluene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2,6-Dimethylaniline	< 200 ug/L	Xa	05/09/13 14:38	jk	SW 8270C*	
2,6-Dinitrotoluene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2-Chloronaphthalene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2-Chlorophenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2-Methylnaphthalene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2-Methylphenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2-Nitroaniline	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
2-Nitrophenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
3- & 4-Methylphenol	2250 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
3-Nitroaniline	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
4-Bromophenylphenyl ether	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
4-Chloro-3-methylphenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
4-Chloroaniline	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
4-Nitroaniline	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
4-Nitrophenol	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Acenaphthene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Acenaphthylene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Aniline	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Anthracene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Azobenzene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-04**
Sample Description: **Untreated Commingled Voa/Svoc 21**

Collect Date: **05/06/13 21:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Benzidine	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C*	
Benzo(a)anthracene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Benzo(a)pyrene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Benzo(b&k)fluoranthene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Benzo(b)fluoranthene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Benzo(g,h,i)perylene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Benzo(k)fluoranthene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Benzoic Acid	2030 ug/L	Xa	05/09/13 14:38	jk	SW 8270C*	
Benzyl alcohol	1390 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Bis(2-chloroethyl) ether	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C*	
Bis(2-ethylhexyl) phthalate	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Butyl benzyl phthalate	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Carbazole	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C*	
Chrysene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Dibenzo(a,h)anthracene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Dibenzofuran	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Diethyl phthalate	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Dimethyl phthalate	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Di-n-butyl phthalate	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Di-n-octyl phthalate	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Diphenylamine	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Fluoranthene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Fluorene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Hexachlorobenzene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Hexachlorobutadiene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Hexachlorocyclopentadiene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Hexachloroethane	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Indeno(1,2,3-cd)pyrene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Isophorone	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Naphthalene	< 400 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS
Nitrobenzene	668 ug/L	Xa	05/09/13 14:38	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-04**
Sample Description: **Untreated Commingled Voa/Svoc 21**

Collect Date: **05/06/13 21:00**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
N-Nitrosodimethylamine	< 400 ug/L		Xa	05/09/13 14:38	jk	SW 8270C	04KS
N-Nitrosodi-n-propylamine	< 400 ug/L		Xa	05/09/13 14:38	jk	SW 8270C	04KS
Pentachlorophenol	< 400 ug/L		Xa	05/09/13 14:38	jk	SW 8270C	04KS
Phenanthrene	< 400 ug/L		Xa	05/09/13 14:38	jk	SW 8270C	04KS
Phenol	4720 ug/L		Xb	05/10/13 19:58	jk	SW 8270C	04KS
Pyrene	< 400 ug/L		Xa	05/09/13 14:38	jk	SW 8270C	04KS
Pyridine	< 400 ug/L		Xa	05/09/13 14:38	jk	SW 8270C	04KS
Surrogate: 2-Fluorophenol	*64 %*	*10-35*	*S, Xa*	*05/09/13 14:38*	*jk*	*SW 8270C*	
Surrogate: Phenol- d5	*27 %*	*10-26*	*S, Xa*	*05/09/13 14:38*	*jk*	*SW 8270C*	
Surrogate: Nitrobenzene-d5	*211 %*	*22-105*	*S, Xa*	*05/09/13 14:38*	*jk*	*SW 8270C*	
Surrogate: 2-Fluorobiphenyl	*62 %*	*30-97*	*S, Xa*	*05/09/13 14:38*	*jk*	*SW 8270C*	
Surrogate: 2,4,6-Tribromophenol	*31 %*	*10-93*	*S, Xa*	*05/09/13 14:38*	*jk*	*SW 8270C*	
Surrogate: p-Terphenyl-d14	*56 %*	*22-115*	*S, Xa*	*05/09/13 14:38*	*jk*	*SW 8270C*	
Volatile Organics - STL							
1,1,1,2-Tetrachloroethane	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L			05/08/13 15:35	BP	SW 8260B*	
1,1,2-Trichloroethane	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,1-Dichloroethane	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,1-Dichloroethene	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,1-Dichloropropene	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,2,3-Trichlorobenzene	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	220 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L			05/08/13 15:35	BP	SW 8260B*	
1,2-Dibromoethane	< 100 ug/L			05/08/13 15:35	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 200 ug/L			05/08/13 15:35	BP	SW 8260B*	
1,2-Dichlorobenzene	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,2-Dichloroethane	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS
1,2-Dichloropropane	< 100 ug/L			05/08/13 15:35	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-04**
Sample Description: **Untreated Commingled Voa/Svoc 21**

Collect Date: **05/06/13 21:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,3,5-Trimethylbenzene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
1,3-Dichloropropane	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 200 ug/L		05/08/13 15:35	BP	SW 8260B*	
1,4-Dichlorobenzene	220 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
1,4-Dioxane	< 500 ug/L		05/08/13 15:35	BP	SW 8260B*	
2,2-Dichloropropane	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
2-Butanone	24000 ug/L		05/08/13 12:42	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
2-Chlorotoluene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
2-Hexanone	550 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
2-Nitropropane	< 200 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
4-Chlorotoluene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	660 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Acetone	75000 ug/L		05/08/13 12:42	BP	SW 8260B	04KS
Acetonitrile	< 500 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Acrolein	< 500 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Acrylonitrile	< 200 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Allyl Chloride	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Benzene	530 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Bromobenzene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Bromochloromethane	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Bromodichloromethane	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Bromoform	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Bromomethane	< 200 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Carbon disulfide	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Carbon tetrachloride	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Chlorobenzene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Chloroethane	< 200 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Chloroform	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Chloromethane	< 200 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-04**
Sample Description: **Untreated Commingled Voa/Svoc 21**

Collect Date: **05/06/13 21:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Dibromochloromethane	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Dibromomethane	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 200 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Ethyl methacrylate	< 100 ug/L		05/08/13 15:35	BP	SW 8260B*	
Ethylbenzene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Hexachlorobutadiene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Iodomethane	< 200 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Isobutanol	56000 ug/L		05/08/13 12:42	BP	SW 8260B*	
Isopropylbenzene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
m,p-Xylene	< 200 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Methacrylonitrile	< 100 ug/L		05/08/13 15:35	BP	SW 8260B*	
Methyl methacrylate	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Methylene chloride	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
MTBE	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Naphthalene	420 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
n-Butylbenzene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
n-Propylbenzene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
o-Xylene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
p-Isopropyl toluene	600 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Propionitrile	< 200 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
sec-Butylbenzene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Styrene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
tert-Butylbenzene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Tetrachloroethene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Toluene	110 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B*	
Trichloroethene	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Trichlorofluoromethane	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Vinyl acetate	< 200 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Vinyl chloride	< 100 ug/L		05/08/13 15:35	BP	SW 8260B	04KS
Xylenes- Total	< 300 ug/L		05/08/13 15:35	BP	SW 8260B*	

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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-04**
Sample Description: **Untreated Commingled Voa/Svoc 21**

Collect Date: **05/06/13 21:00**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method
Volatile Organics - STL						
Surrogate: 1,2-Dichloroethane-d4	*105 %*	*65-134*		*05/08/13 15:35*	*BP*	*SW 8260B*
Surrogate: Bromofluorobenzene	*105 %*	*75.1-125*		*05/08/13 15:35*	*BP*	*SW 8260B*
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/08/13 15:35*	*BP*	*SW 8260B*

Sample No: **3050958-05**
Sample Description: **Untreated Commingled Voa/Svoc 22**

Collect Date: **05/06/13 21:15**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
1,2,4-Trichlorobenzene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
1,2-Dichlorobenzene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
1,3-Dichlorobenzene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
1,4-Dichlorobenzene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2,4,5-Trichlorophenol	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2,4,6-Trichlorophenol	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2,4-Dichlorophenol	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2,4-Dimethylphenol	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2,4-Dinitrophenol	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2,4-Dinitrotoluene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2,6-Dimethylaniline	< 200	ug/L		05/09/13 15:21	jk	SW 8270C*	
2,6-Dinitrotoluene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2-Chloronaphthalene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2-Chlorophenol	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2-Methylnaphthalene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2-Methylphenol	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2-Nitroaniline	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
2-Nitrophenol	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
3- & 4-Methylphenol	1550	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
3-Nitroaniline	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
4-Bromophenylphenyl ether	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-05**
Sample Description: **Untreated Commingled Voa/Svoc 22**

Collect Date: **05/06/13 21:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
4-Chloro-3-methylphenol	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
4-Chloroaniline	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
4-Nitroaniline	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
4-Nitrophenol	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Acenaphthene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Acenaphthylene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Aniline	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Anthracene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Azobenzene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C*	
Benzidine	< 400 ug/L		05/09/13 15:21	jk	SW 8270C*	
Benzo(a)anthracene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Benzo(a)pyrene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Benzo(b&k)fluoranthene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Benzo(b)fluoranthene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Benzo(g,h,i)perylene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Benzo(k)fluoranthene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Benzoic Acid	1980 ug/L		05/09/13 15:21	jk	SW 8270C*	
Benzyl alcohol	1160 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Bis(2-chloroethyl) ether	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L		05/09/13 15:21	jk	SW 8270C*	
Bis(2-ethylhexyl) phthalate	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Butyl benzyl phthalate	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Carbazole	< 400 ug/L		05/09/13 15:21	jk	SW 8270C*	
Chrysene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Dibenzo(a,h)anthracene	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Dibenzofuran	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Diethyl phthalate	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Dimethyl phthalate	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Di-n-butyl phthalate	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Di-n-octyl phthalate	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Diphenylamine	< 400 ug/L		05/09/13 15:21	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-05**
Sample Description: **Untreated Commingled Voa/Svoc 22**

Collect Date: **05/06/13 21:15**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
Fluoranthene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Fluorene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Hexachlorobenzene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Hexachlorobutadiene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Hexachlorocyclopentadiene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Hexachloroethane	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Indeno(1,2,3-cd)pyrene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Isophorone	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Naphthalene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Nitrobenzene	454	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
N-Nitrosodimethylamine	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
N-Nitrosodi-n-propylamine	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Pentachlorophenol	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Phenanthrene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Phenol	3610	ug/L	Xb	05/09/13 15:21	jk	SW 8270C	04KS
Pyrene	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Pyridine	< 400	ug/L		05/09/13 15:21	jk	SW 8270C	04KS
Surrogate: 2-Fluorophenol	*49 %*	*10-35*	*S*	*05/09/13 15:21*	*jk*	*SW 8270C*	
Surrogate: Phenol- d5	*20 %*	*10-26*	*S*	*05/09/13 15:21*	*jk*	*SW 8270C*	
Surrogate: Nitrobenzene-d5	*125 %*	*22-105*	*S*	*05/09/13 15:21*	*jk*	*SW 8270C*	
Surrogate: 2-Fluorobiphenyl	*53 %*	*30-97*	*S*	*05/09/13 15:21*	*jk*	*SW 8270C*	
Surrogate: 2,4,6-Tribromophenol	*19 %*	*10-93*	*S*	*05/09/13 15:21*	*jk*	*SW 8270C*	
Surrogate: p-Terphenyl-d14	*47 %*	*22-115*	*S*	*05/09/13 15:21*	*jk*	*SW 8270C*	
Volatile Organics - STL							
1,1,1,2-Tetrachloroethane	< 100	ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 100	ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 100	ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100	ug/L		05/08/13 16:00	BP	SW 8260B*	
1,1,2-Trichloroethane	< 100	ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,1-Dichloroethane	< 100	ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,1-Dichloroethene	< 100	ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,1-Dichloropropene	< 100	ug/L		05/08/13 16:00	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-05**
Sample Description: **Untreated Commingled Voa/Svoc 22**

Collect Date: **05/06/13 21:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,2,3-Trichlorobenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	260 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B*	
1,2-Dibromoethane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 200 ug/L		05/08/13 16:00	BP	SW 8260B*	
1,2-Dichlorobenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,2-Dichloroethane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,2-Dichloropropane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,3,5-Trimethylbenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,3-Dichloropropane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 200 ug/L		05/08/13 16:00	BP	SW 8260B*	
1,4-Dichlorobenzene	260 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
1,4-Dioxane	< 500 ug/L		05/08/13 16:00	BP	SW 8260B*	
2,2-Dichloropropane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
2-Butanone	19000 ug/L		05/08/13 13:07	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
2-Chlorotoluene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
2-Hexanone	550 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
2-Nitropropane	< 200 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
4-Chlorotoluene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	640 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Acetone	50000 ug/L		05/08/13 13:07	BP	SW 8260B	04KS
Acetonitrile	< 500 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Acrolein	< 500 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Acrylonitrile	< 200 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Allyl Chloride	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Benzene	560 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Bromobenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Bromochloromethane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Bromodichloromethane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-05**
Sample Description: **Untreated Commingled Voa/Svoc 22**

Collect Date: **05/06/13 21:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Bromoform	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Bromomethane	< 200 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Carbon disulfide	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Carbon tetrachloride	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Chlorobenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Chloroethane	< 200 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Chloroform	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Chloromethane	< 200 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Dibromochloromethane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Dibromomethane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 200 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Ethyl methacrylate	< 100 ug/L		05/08/13 16:00	BP	SW 8260B*	
Ethylbenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Hexachlorobutadiene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Iodomethane	< 200 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Isobutanol	51000 ug/L		05/08/13 13:07	BP	SW 8260B*	
Isopropylbenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
m,p-Xylene	< 200 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Methacrylonitrile	< 100 ug/L		05/08/13 16:00	BP	SW 8260B*	
Methyl methacrylate	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Methylene chloride	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
MTBE	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Naphthalene	480 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
n-Butylbenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
n-Propylbenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
o-Xylene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
p-Isopropyl toluene	850 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Propionitrile	< 200 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
sec-Butylbenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Styrene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
tert-Butylbenzene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-05**
Sample Description: **Untreated Commingled Voa/Svoc 22**

Collect Date: **05/06/13 21:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Tetrachloroethene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Toluene	110 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B*	
Trichloroethene	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Trichlorofluoromethane	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Vinyl acetate	< 200 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Vinyl chloride	< 100 ug/L		05/08/13 16:00	BP	SW 8260B	04KS
Xylenes- Total	< 300 ug/L		05/08/13 16:00	BP	SW 8260B*	
Surrogate: 1,2-Dichloroethane-d4	*109 % 65-134*		*05/08/13 16:00*	*BP*	*SW 8260B*	
Surrogate: Bromofluorobenzene	*107 % 75.1-125*		*05/08/13 16:00*	*BP*	*SW 8260B*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/08/13 16:00*	*BP*	*SW 8260B*	

Sample No: **3050958-06**
Sample Description: **Untreated Commingled Voa/Svoc 23**

Collect Date: **05/06/13 21:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
1,2-Dichlorobenzene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
1,3-Dichlorobenzene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
1,4-Dichlorobenzene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2,4,5-Trichlorophenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2,4,6-Trichlorophenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2,4-Dichlorophenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2,4-Dimethylphenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2,4-Dinitrophenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2,4-Dinitrotoluene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2,6-Dimethylaniline	< 200 ug/L		05/09/13 16:03	jk	SW 8270C*	
2,6-Dinitrotoluene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2-Chloronaphthalene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-06**
Sample Description: **Untreated Commingled Voa/Svoc 23**

Collect Date: **05/06/13 21:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
2-Chlorophenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2-Methylnaphthalene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2-Methylphenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2-Nitroaniline	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
2-Nitrophenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
3- & 4-Methylphenol	1110 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
3-Nitroaniline	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
4-Bromophenylphenyl ether	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
4-Chloro-3-methylphenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
4-Chloroaniline	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
4-Nitroaniline	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
4-Nitrophenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Acenaphthene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Acenaphthylene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Aniline	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Anthracene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Azobenzene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C*	
Benzidine	< 400 ug/L		05/09/13 16:03	jk	SW 8270C*	
Benzo(a)anthracene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Benzo(a)pyrene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Benzo(b&k)fluoranthene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Benzo(b)fluoranthene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Benzo(g,h,i)perylene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Benzo(k)fluoranthene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Benzoic Acid	1670 ug/L		05/09/13 16:03	jk	SW 8270C*	
Benzyl alcohol	948 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Bis(2-chloroethyl) ether	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L		05/09/13 16:03	jk	SW 8270C*	
Bis(2-ethylhexyl) phthalate	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-06**
Sample Description: **Untreated Commingled Voa/Svoc 23**

Collect Date: **05/06/13 21:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Butyl benzyl phthalate	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Carbazole	< 400 ug/L		05/09/13 16:03	jk	SW 8270C*	
Chrysene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Dibenzo(a,h)anthracene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Dibenzofuran	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Diethyl phthalate	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Dimethyl phthalate	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Di-n-butyl phthalate	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Di-n-octyl phthalate	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Diphenylamine	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Fluoranthene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Fluorene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Hexachlorobenzene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Hexachlorobutadiene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Hexachlorocyclopentadiene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Hexachloroethane	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Indeno(1,2,3-cd)pyrene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Isophorone	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Naphthalene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Nitrobenzene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
N-Nitrosodimethylamine	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
N-Nitrosodi-n-propylamine	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Pentachlorophenol	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Phenanthrene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Phenol	2330 ug/L	Xb	05/09/13 16:03	jk	SW 8270C	04KS
Pyrene	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Pyridine	< 400 ug/L		05/09/13 16:03	jk	SW 8270C	04KS
Surrogate: 2-Fluorophenol	*31 % 10-35*	*S*	*05/09/13 16:03*	*jk*	*SW 8270C*	
Surrogate: Phenol- d5	*15 % 10-26*	*S*	*05/09/13 16:03*	*jk*	*SW 8270C*	
Surrogate: Nitrobenzene-d5	*51 % 22-105*	*S*	*05/09/13 16:03*	*jk*	*SW 8270C*	
Surrogate: 2-Fluorobiphenyl	*36 % 30-97*	*S*	*05/09/13 16:03*	*jk*	*SW 8270C*	
Surrogate: 2,4,6-Tribromophenol	*7 % 10-93*	*S*	*05/09/13 16:03*	*jk*	*SW 8270C*	
Surrogate: p-Terphenyl-d14	*34 % 22-115*	*S*	*05/09/13 16:03*	*jk*	*SW 8270C*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-06**
Sample Description: **Untreated Commingled Voa/Svoc 23**

Collect Date: **05/06/13 21:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,1,1,2-Tetrachloroethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100 ug/L		05/08/13 16:25	BP	SW 8260B*	
1,1,2-Trichloroethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,1-Dichloroethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,1-Dichloroethene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,1-Dichloropropene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,2,3-Trichlorobenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	260 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B*	
1,2-Dibromoethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 200 ug/L		05/08/13 16:25	BP	SW 8260B*	
1,2-Dichlorobenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,2-Dichloroethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,2-Dichloropropane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,3,5-Trimethylbenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,3-Dichloropropane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 200 ug/L		05/08/13 16:25	BP	SW 8260B*	
1,4-Dichlorobenzene	260 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
1,4-Dioxane	< 500 ug/L		05/08/13 16:25	BP	SW 8260B*	
2,2-Dichloropropane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
2-Butanone	16000 ug/L		05/08/13 13:31	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
2-Chlorotoluene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
2-Hexanone	640 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
2-Nitropropane	< 200 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
4-Chlorotoluene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	610 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Acetone	37000 ug/L		05/08/13 13:31	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-06**
Sample Description: **Untreated Commingled Voa/Svoc 23**

Collect Date: **05/06/13 21:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Acetonitrile	< 500 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Acrolein	< 500 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Acrylonitrile	< 200 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Allyl Chloride	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Benzene	580 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Bromobenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Bromochloromethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Bromodichloromethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Bromoform	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Bromomethane	< 200 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Carbon disulfide	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Carbon tetrachloride	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Chlorobenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Chloroethane	< 200 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Chloroform	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Chloromethane	< 200 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Dibromochloromethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Dibromomethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 200 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Ethyl methacrylate	< 100 ug/L		05/08/13 16:25	BP	SW 8260B*	
Ethylbenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Hexachlorobutadiene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Iodomethane	< 200 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Isobutanol	49000 ug/L		05/08/13 13:31	BP	SW 8260B*	
Isopropylbenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
m,p-Xylene	< 200 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Methacrylonitrile	< 100 ug/L		05/08/13 16:25	BP	SW 8260B*	
Methyl methacrylate	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Methylene chloride	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
MTBE	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Naphthalene	510 ug/L		05/08/13 16:25	BP	SW 8260B	04KS

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-06**
Sample Description: **Untreated Commingled Voa/Svoc 23**

Collect Date: **05/06/13 21:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
n-Butylbenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
n-Propylbenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
o-Xylene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
p-Isopropyl toluene	810 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Propionitrile	< 200 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
sec-Butylbenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Styrene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
tert-Butylbenzene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Tetrachloroethene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Toluene	120 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B*	
Trichloroethene	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Trichlorofluoromethane	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Vinyl acetate	< 200 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Vinyl chloride	< 100 ug/L		05/08/13 16:25	BP	SW 8260B	04KS
Xylenes- Total	< 300 ug/L		05/08/13 16:25	BP	SW 8260B*	
Surrogate: 1,2-Dichloroethane-d4	*103 % 65-134*		*05/08/13 16:25*	*BP*	*SW 8260B*	
Surrogate: Bromofluorobenzene	*108 % 75.1-125*		*05/08/13 16:25*	*BP*	*SW 8260B*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/08/13 16:25*	*BP*	*SW 8260B*	

Sample No: **3050958-07**
Sample Description: **Untreated Commingled Voa/Svoc 24**

Collect Date: **05/06/13 21:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
1,2-Dichlorobenzene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
1,3-Dichlorobenzene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
1,4-Dichlorobenzene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2,4,5-Trichlorophenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-07**
Sample Description: **Untreated Commingled Voa/Svoc 24**

Collect Date: **05/06/13 21:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
2,4,6-Trichlorophenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2,4-Dichlorophenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2,4-Dimethylphenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2,4-Dinitrophenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2,4-Dinitrotoluene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2,6-Dimethylaniline	< 200 ug/L		05/09/13 16:45	jk	SW 8270C*	
2,6-Dinitrotoluene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2-Chloronaphthalene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2-Chlorophenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2-Methylnaphthalene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2-Methylphenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2-Nitroaniline	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
2-Nitrophenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
3- & 4-Methylphenol	1010 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
3-Nitroaniline	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
4-Bromophenylphenyl ether	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
4-Chloro-3-methylphenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
4-Chloroaniline	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
4-Nitroaniline	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
4-Nitrophenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Acenaphthene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Acenaphthylene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Aniline	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Anthracene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Azobenzene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C*	
Benzidine	< 400 ug/L		05/09/13 16:45	jk	SW 8270C*	
Benzo(a)anthracene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Benzo(a)pyrene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Benzo(b&k)fluoranthene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Benzo(b)fluoranthene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-07**
Sample Description: **Untreated Commingled Voa/Svoc 24**

Collect Date: **05/06/13 21:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Benzo(g,h,i)perylene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Benzo(k)fluoranthene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Benzoic Acid	1580 ug/L		05/09/13 16:45	jk	SW 8270C*	
Benzyl alcohol	1090 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Bis(2-chloroethoxy) methane	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Bis(2-chloroethyl) ether	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Bis(2-chloroisopropyl) ether	< 400 ug/L		05/09/13 16:45	jk	SW 8270C*	
Bis(2-ethylhexyl) phthalate	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Butyl benzyl phthalate	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Carbazole	< 400 ug/L		05/09/13 16:45	jk	SW 8270C*	
Chrysene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Dibenzo(a,h)anthracene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Dibenzofuran	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Diethyl phthalate	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Dimethyl phthalate	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Di-n-butyl phthalate	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Di-n-octyl phthalate	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Diphenylamine	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Fluoranthene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Fluorene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Hexachlorobenzene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Hexachlorobutadiene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Hexachlorocyclopentadiene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Hexachloroethane	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Indeno(1,2,3-cd)pyrene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Isophorone	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Naphthalene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Nitrobenzene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
N-Nitrosodimethylamine	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
N-Nitrosodi-n-propylamine	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Pentachlorophenol	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Phenanthrene	< 400 ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Phenol	2140 ug/L	Xb	05/09/13 16:45	jk	SW 8270C	04KS

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-07**
Sample Description: **Untreated Commingled Voa/Svoc 24**

Collect Date: **05/06/13 21:45**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
Pyrene	< 400	ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Pyridine	< 400	ug/L		05/09/13 16:45	jk	SW 8270C	04KS
Surrogate: 2-Fluorophenol	*45 %*	*10-35*	*S*	*05/09/13 16:45*	*jk*	*SW 8270C*	
Surrogate: Phenol- d5	*21 %*	*10-26*	*S*	*05/09/13 16:45*	*jk*	*SW 8270C*	
Surrogate: Nitrobenzene-d5	*69 %*	*22-105*	*S*	*05/09/13 16:45*	*jk*	*SW 8270C*	
Surrogate: 2-Fluorobiphenyl	*41 %*	*30-97*	*S*	*05/09/13 16:45*	*jk*	*SW 8270C*	
Surrogate: 2,4,6-Tribromophenol	*7 %*	*10-93*	*S*	*05/09/13 16:45*	*jk*	*SW 8270C*	
Surrogate: p-Terphenyl-d14	*38 %*	*22-115*	*S*	*05/09/13 16:45*	*jk*	*SW 8270C*	
Volatile Organics - STL							
1,1,1,2-Tetrachloroethane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 100	ug/L		05/08/13 16:49	BP	SW 8260B*	
1,1,2-Trichloroethane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,1-Dichloroethane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,1-Dichloroethene	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,1-Dichloropropene	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,2,3-Trichlorobenzene	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	270	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B*	
1,2-Dibromoethane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 200	ug/L		05/08/13 16:49	BP	SW 8260B*	
1,2-Dichlorobenzene	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,2-Dichloroethane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,2-Dichloropropane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,3,5-Trimethylbenzene	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,3-Dichloropropane	< 100	ug/L		05/08/13 16:49	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 200	ug/L		05/08/13 16:49	BP	SW 8260B*	
1,4-Dichlorobenzene	260	ug/L		05/08/13 16:49	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-07**
Sample Description: **Untreated Commingled Voa/Svoc 24**

Collect Date: **05/06/13 21:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,4-Dioxane	< 500 ug/L		05/08/13 16:49	BP	SW 8260B*	
2,2-Dichloropropane	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
2-Butanone	22000 ug/L		05/08/13 13:56	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
2-Chlorotoluene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
2-Hexanone	680 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
2-Nitropropane	< 200 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
4-Chlorotoluene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	660 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Acetone	70000 ug/L		05/08/13 13:56	BP	SW 8260B	04KS
Acetonitrile	< 500 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Acrolein	< 500 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Acrylonitrile	< 200 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Allyl Chloride	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Benzene	560 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Bromobenzene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Bromochloromethane	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Bromodichloromethane	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Bromoform	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Bromomethane	< 200 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Carbon disulfide	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Carbon tetrachloride	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Chlorobenzene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Chloroethane	< 200 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Chloroform	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Chloromethane	< 200 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Dibromochloromethane	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Dibromomethane	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 200 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Ethyl methacrylate	< 100 ug/L		05/08/13 16:49	BP	SW 8260B*	
Ethylbenzene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-07**
Sample Description: **Untreated Commingled Voa/Svoc 24**

Collect Date: **05/06/13 21:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Hexachlorobutadiene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Iodomethane	< 200 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Isobutanol	53000 ug/L		05/08/13 13:56	BP	SW 8260B*	
Isopropylbenzene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
m,p-Xylene	< 200 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Methacrylonitrile	< 100 ug/L		05/08/13 16:49	BP	SW 8260B*	
Methyl methacrylate	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Methylene chloride	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
MTBE	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Naphthalene	460 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
n-Butylbenzene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
n-Propylbenzene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
o-Xylene	100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
p-Isopropyl toluene	850 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Propionitrile	< 200 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
sec-Butylbenzene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Styrene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
tert-Butylbenzene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Tetrachloroethene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Toluene	120 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B*	
Trichloroethene	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Trichlorofluoromethane	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Vinyl acetate	< 200 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Vinyl chloride	< 100 ug/L		05/08/13 16:49	BP	SW 8260B	04KS
Surrogate: 1,2-Dichloroethane-d4	*104 % 65-134*		*05/08/13 16:49*	*BP*	*SW 8260B*	
Surrogate: Bromofluorobenzene	*104 % 75.1-125*		*05/08/13 16:49*	*BP*	*SW 8260B*	
Surrogate: Toluene-d8	*100 % 74.2-117*		*05/08/13 16:49*	*BP*	*SW 8260B*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-08**
Sample Description: **Trip Blank**

Collect Date: **05/06/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,1,1,2-Tetrachloroethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B*	
1,1,2-Trichloroethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,1-Dichloroethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,1-Dichloroethene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,1-Dichloropropene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,2,3-Trichlorobenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B*	
1,2-Dibromoethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 10 ug/L		05/08/13 11:26	BP	SW 8260B*	
1,2-Dichlorobenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,2-Dichloroethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,2-Dichloropropane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,3,5-Trimethylbenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,3-Dichloropropane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 10 ug/L		05/08/13 11:26	BP	SW 8260B*	
1,4-Dichlorobenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
1,4-Dioxane	< 25 ug/L		05/08/13 11:26	BP	SW 8260B*	
2,2-Dichloropropane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
2-Butanone	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
2-Chlorotoluene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
2-Hexanone	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
2-Nitropropane	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
4-Chlorotoluene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Acetone	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-08**
Sample Description: **Trip Blank**

Collect Date: **05/06/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Acetonitrile	< 25 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Acrolein	< 25 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Acrylonitrile	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Allyl Chloride	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Benzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Bromobenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Bromochloromethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Bromodichloromethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Bromoform	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Bromomethane	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Carbon disulfide	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Carbon tetrachloride	< 5.0 ug/L	Q3	05/08/13 11:26	BP	SW 8260B	04KS
Chlorobenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Chloroethane	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Chloroform	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Chloromethane	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Dibromochloromethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Dibromomethane	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Ethyl methacrylate	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B*	
Ethylbenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Hexachlorobutadiene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Iodomethane	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Isobutanol	< 25 ug/L		05/08/13 11:26	BP	SW 8260B*	
Isopropylbenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
m,p-Xylene	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Methacrylonitrile	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B*	
Methyl methacrylate	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Methylene chloride	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
MTBE	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Naphthalene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050958-08**
Sample Description: **Trip Blank**

Collect Date: **05/06/13 00:00**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
n-Butylbenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
n-Propylbenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
o-Xylene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
p-Isopropyl toluene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Propionitrile	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
sec-Butylbenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Styrene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
tert-Butylbenzene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Tetrachloroethene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Toluene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B*	
Trichloroethene	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Trichlorofluoromethane	< 5.0 ug/L	Q2	05/08/13 11:26	BP	SW 8260B	04KS
Vinyl acetate	< 10 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Vinyl chloride	< 5.0 ug/L		05/08/13 11:26	BP	SW 8260B	04KS
Xylenes- Total	< 15 ug/L		05/08/13 11:26	BP	SW 8260B*	
Surrogate: 1,2-Dichloroethane-d4	*104 % 65-134*		*05/08/13 11:26*	*BP*	*SW 8260B*	
Surrogate: Bromofluorobenzene	*97 % 75.1-125*		*05/08/13 11:26*	*BP*	*SW 8260B*	
Surrogate: Toluene-d8	*102 % 74.2-117*		*05/08/13 11:26*	*BP*	*SW 8260B*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307496 - No Prep								
Calibration Blank (B307496-CCB1)			Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	0.110	mg/L						
Calibration Check (B307496-CCV1)			Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	5.16	mg/L	5.000		103	90-110		
Matrix Spike (B307496-MS1)	**Source: 3050817-01**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	8.75	mg/L	5.000	3.35	108	80-120		
Matrix Spike (B307496-MS2)	**Source: 3050907-01**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	12.2	mg/L	5.000	6.75	109	80-120		
Matrix Spike (B307496-MS3)	**Source: 3051076-02**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	8.54	mg/L	5.000	3.56	100	80-120		
Matrix Spike (B307496-MS4)	**Source: 3051311-01**		Prepared & Analyzed: 05/10/13					
Total Organic Carbon (TOC)	10.3	mg/L	5.000	5.21	103	80-120		
Matrix Spike Dup (B307496-MSD1)	**Source: 3050817-01**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	9.36	mg/L	5.000	3.35	120	80-120	7	20
Matrix Spike Dup (B307496-MSD2)	**Source: 3050907-01**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	11.9	mg/L	5.000	6.75	103	80-120	2	20
Matrix Spike Dup (B307496-MSD3)	**Source: 3051076-02**		Prepared & Analyzed: 05/09/13					
Total Organic Carbon (TOC)	8.37	mg/L	5.000	3.56	96	80-120	2	20
Matrix Spike Dup (B307496-MSD4)	**Source: 3051311-01**		Prepared & Analyzed: 05/10/13					
Total Organic Carbon (TOC)	10.1	mg/L	5.000	5.21	99	80-120	2	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA								
Blank (B307299-BLK1)			Prepared & Analyzed: 05/08/13					
1,1,1,2-Tetrachloroethane	< 5.0	ug/L						
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,1-Dichloropropene	< 5.0	ug/L						

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA								
Blank (B307299-BLK1)			Prepared & Analyzed: 05/08/13					
1,2,3-Trichlorobenzene	< 5.0	ug/L						
1,2,3-Trichloropropane	< 5.0	ug/L						
1,2,4-Trichlorobenzene	< 5.0	ug/L						
1,2,4-Trimethylbenzene	< 5.0	ug/L						
1,2-Dibromo-3-chloropropane	< 5.0	ug/L						
1,2-Dibromoethane	< 5.0	ug/L						
1,2-Dichloroethene- Total	< 10	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3,5-Trimethylbenzene	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,3-Dichloropropane	< 5.0	ug/L						
1,3-Dichloropropene - Total	< 10	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
1,4-Dioxane	< 25	ug/L						
2,2-Dichloropropane	< 5.0	ug/L						
2-Butanone	< 10	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
2-Chlorotoluene	< 5.0	ug/L						
2-Hexanone	< 10	ug/L						
2-Nitropropane	< 10	ug/L						
4-Chlorotoluene	< 5.0	ug/L						
4-Methyl-2-pentanone (MIBK)	< 10	ug/L						
Acetone	< 10	ug/L						
Acetonitrile	< 25	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Allyl Chloride	< 5.0	ug/L						
Benzene	< 5.0	ug/L						
Bromobenzene	< 5.0	ug/L						
Bromochloromethane	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon disulfide	< 5.0	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						

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Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA								
Blank (B307299-BLK1)			Prepared & Analyzed: 05/08/13					
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,2-Dichloroethene	< 5.0	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Dibromomethane	< 5.0	ug/L						
Dichlorodifluoromethane	< 10	ug/L						
Ethyl methacrylate	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
Hexachlorobutadiene	< 5.0	ug/L						
Iodomethane	< 10	ug/L						
Isobutanol	< 25	ug/L						
Isopropylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methacrylonitrile	< 5.0	ug/L						
Methyl methacrylate	< 5.0	ug/L						
Methylene chloride	< 5.0	ug/L						
MTBE	< 5.0	ug/L						
Naphthalene	< 5.0	ug/L						
n-Butylbenzene	< 5.0	ug/L						
n-Propylbenzene	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
p-Isopropyl toluene	< 5.0	ug/L						
Propionitrile	< 10	ug/L						
sec-Butylbenzene	< 5.0	ug/L						
Styrene	< 5.0	ug/L						
tert-Butylbenzene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						
trans-1,3-Dichloropropene	< 5.0	ug/L						
trans-1,4-Dichloro-2-butene	< 5.0	ug/L						
Trichloroethene	< 5.0	ug/L						
Trichlorofluoromethane	< 5.0	ug/L						
Vinyl acetate	< 10	ug/L						
Vinyl chloride	< 5.0	ug/L						
Xylenes- Total	< 15	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*31.7*	*ug/L*	*30.00*		*106*	*65-134*		
Surrogate: Bromofluorobenzene	*29.5*	*ug/L*	*30.00*		*98*	*75.1-125*		

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Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA								
Blank (B307299-BLK1)			Prepared & Analyzed: 05/08/13					
Surrogate: Toluene-d8	*29.8*	*ug/L*	*30.00*		*99*	*74.2-117*		
LCS (B307299-BS1)			Prepared & Analyzed: 05/08/13					
1,1,1-Trichloroethane	19	ug/L	20.00		94	76-131		
1,1,2,2-Tetrachloroethane	20	ug/L	20.00		99	79-126		
1,1,2-Trichloroethane	18	ug/L	20.00		91	79-123		
1,1-Dichloroethane	19	ug/L	20.00		94	74-133		
1,1-Dichloroethene	21	ug/L	20.00		105	71-135		
1,2-Dichlorobenzene	18	ug/L	20.00		91	76-113		
1,2-Dichloroethane	20	ug/L	20.00		98	80-135		
1,2-Dichloropropane	20	ug/L	20.00		99	78-127		
1,3-Dichlorobenzene	19	ug/L	20.00		94	82-119		
1,4-Dichlorobenzene	18	ug/L	20.00		90	78-118		
2-Chloroethylvinyl ether	18	ug/L	20.00		90	66-138		
Acrolein	100	ug/L	100.0		100	38-156		
Acrylonitrile	22	ug/L	20.00		110	43-121		
Benzene	19	ug/L	20.00		96	84-114		
Bromodichloromethane	18	ug/L	20.00		88	82-116		
Bromoform	17	ug/L	20.00		83	65-115		
Bromomethane	15	ug/L	20.00		74	28-143		
Carbon tetrachloride	20	ug/L	20.00		98	72-131		
Chlorobenzene	18	ug/L	20.00		89	82-112		
Chloroethane	18	ug/L	20.00		89	41-126		
Chloroform	19	ug/L	20.00		97	78-124		
Chloromethane	17	ug/L	20.00		87	52-110		
cis-1,3-Dichloropropene	19	ug/L	20.00		95	82-116		
Dibromochloromethane	17	ug/L	20.00		86	83-119		
Ethylbenzene	18	ug/L	20.00		90	85-118		
m,p-Xylene	35	ug/L	40.00		87	80-111		
Methylene chloride	19	ug/L	20.00		96	78-140		
o-Xylene	18	ug/L	20.00		88	81-111		
Tetrachloroethene	18	ug/L	20.00		89	65-135		
Toluene	18	ug/L	20.00		90	81-120		
trans-1,2-Dichloroethene	20	ug/L	20.00		100	70-136		
trans-1,3-Dichloropropene	17	ug/L	20.00		87	82-113		
Trichloroethene	19	ug/L	20.00		96	84-125		
Trichlorofluoromethane	21	ug/L	20.00		104	70-138		
Vinyl chloride	20	ug/L	20.00		100	56-112		
Surrogate: 1,2-Dichloroethane-d4	*33.4*	*ug/L*	*30.00*		*111*	*65.3-134*		
Surrogate: Bromofluorobenzene	*28.5*	*ug/L*	*30.00*		*95*	*77.8-123*		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA									
LCS (B307299-BS1)				Prepared & Analyzed: 05/08/13					
Surrogate: Toluene-d8		*30.5*	*ug/L*	*30.00*		*102*	*73.2-119*		
Matrix Spike (B307299-MS1)		**Source: 3050958-08**		Prepared & Analyzed: 05/08/13					
1,1,1-Trichloroethane		12	ug/L	20.00	ND	60	58-143		
1,1,2,2-Tetrachloroethane		17	ug/L	20.00	ND	85	70-133		
1,1,2-Trichloroethane		17	ug/L	20.00	ND	83	73-130		
1,1-Dichloroethane		16	ug/L	20.00	ND	79	55-146		
1,1-Dichloroethene		11	ug/L	20.00	ND	56	51-150		
1,2-Dichlorobenzene		16	ug/L	20.00	ND	80	62-120		
1,2-Dichloroethane		17	ug/L	20.00	ND	86	67-143		
1,2-Dichloropropane		17	ug/L	20.00	ND	85	66-134		
1,3-Dichlorobenzene		16	ug/L	20.00	ND	82	67-124		
1,4-Dichlorobenzene		16	ug/L	20.00	ND	79	66-123		
Acrolein		58	ug/L	100.0	ND	58	14-156		
Acrylonitrile		14	ug/L	20.00	ND	70	46-116		
Benzene		15	ug/L	20.00	ND	75	69-126		
Bromodichloromethane		15	ug/L	20.00	ND	77	67-128		
Bromoform		15	ug/L	20.00	ND	76	42-132		
Bromomethane		14	ug/L	20.00	ND	72	5-138		
Carbon tetrachloride	Q3	10	ug/L	20.00	ND	52	53-151		
Chlorobenzene		16	ug/L	20.00	ND	81	67-124		
Chloroethane		14	ug/L	20.00	ND	69	35-123		
Chloroform		18	ug/L	20.00	ND	91	41-155		
Chloromethane		12	ug/L	20.00	ND	60	39-120		
cis-1,3-Dichloropropene		16	ug/L	20.00	ND	80	68-126		
Dibromochloromethane		16	ug/L	20.00	ND	78	68-131		
Ethylbenzene		16	ug/L	20.00	ND	80	68-128		
m,p-Xylene		30	ug/L	40.00	ND	74	64-122		
Methylene chloride		18	ug/L	20.00	ND	89	70-150		
o-Xylene		16	ug/L	20.00	ND	78	65-122		
Tetrachloroethene		13	ug/L	20.00	ND	63	42-132		
Toluene		16	ug/L	20.00	ND	78	64-137		
trans-1,2-Dichloroethene		15	ug/L	20.00	ND	76	57-145		
trans-1,3-Dichloropropene		16	ug/L	20.00	ND	79	66-121		
Trichloroethene		14	ug/L	20.00	ND	71	69-131		
Trichlorofluoromethane		7	ug/L	20.00	ND	36	36-162		
Vinyl chloride		9	ug/L	20.00	ND	43	24-137		
Surrogate: 1,2-Dichloroethane-d4		*32.1*	*ug/L*	*30.00*		*107*	*63.3-137*		
Surrogate: Bromofluorobenzene		*30.1*	*ug/L*	*30.00*		*100*	*74.6-123*		
Surrogate: Toluene-d8		*29.7*	*ug/L*	*30.00*		*99*	*71-122*		

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Attn: Dan Feezor

Date Received: 05/07/13 15:19
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Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA									
Matrix Spike Dup (B307299-MSD1)		**Source: 3050958-08**		Prepared & Analyzed: 05/08/13					
1,1,1-Trichloroethane		12	ug/L	20.00	ND	58	58-143	3	40
1,1,2,2-Tetrachloroethane		18	ug/L	20.00	ND	88	70-133	3	40
1,1,2-Trichloroethane		17	ug/L	20.00	ND	83	73-130	1	40
1,1-Dichloroethane		15	ug/L	20.00	ND	77	55-146	2	40
1,1-Dichloroethene		10	ug/L	20.00	ND	52	51-150	8	40
1,2-Dichlorobenzene		16	ug/L	20.00	ND	78	62-120	3	40
1,2-Dichloroethane		18	ug/L	20.00	ND	92	67-143	6	40
1,2-Dichloropropane		17	ug/L	20.00	ND	87	66-134	2	40
1,3-Dichlorobenzene		16	ug/L	20.00	ND	82	67-124	0.2	40
1,4-Dichlorobenzene		16	ug/L	20.00	ND	80	66-123	2	40
Acrolein		76	ug/L	100.0	ND	76	14-156	26	40
Acrylonitrile		18	ug/L	20.00	ND	89	46-116	23	40
Benzene		15	ug/L	20.00	ND	75	69-126	0.2	40
Bromodichloromethane		16	ug/L	20.00	ND	80	67-128	4	40
Bromoform		15	ug/L	20.00	ND	77	42-132	1	40
Bromomethane		14	ug/L	20.00	ND	69	5-138	4	40
Carbon tetrachloride	Q3	10	ug/L	20.00	ND	50	53-151	3	40
Chlorobenzene		16	ug/L	20.00	ND	78	67-124	4	40
Chloroethane		14	ug/L	20.00	ND	70	35-123	1	40
Chloroform		18	ug/L	20.00	ND	88	41-155	3	40
Chloromethane		12	ug/L	20.00	ND	59	39-120	0.9	40
cis-1,3-Dichloropropene		16	ug/L	20.00	ND	82	68-126	1	40
Dibromochloromethane		16	ug/L	20.00	ND	78	68-131	0.2	40
Ethylbenzene		14	ug/L	20.00	ND	72	68-128	10	40
m,p-Xylene		28	ug/L	40.00	ND	69	64-122	7	40
Methylene chloride		18	ug/L	20.00	ND	89	70-150	0.9	40
o-Xylene		14	ug/L	20.00	ND	72	65-122	8	40
Tetrachloroethene		12	ug/L	20.00	ND	58	42-132	8	40
Toluene		15	ug/L	20.00	ND	74	64-137	6	40
trans-1,2-Dichloroethene		14	ug/L	20.00	ND	71	57-145	7	40
trans-1,3-Dichloropropene		17	ug/L	20.00	ND	83	66-121	5	40
Trichloroethene		14	ug/L	20.00	ND	70	69-131	2	40
Trichlorofluoromethane	Q2	7	ug/L	20.00	ND	33	36-162	8	40
Vinyl chloride		8	ug/L	20.00	ND	41	24-137	5	40
Surrogate: 1,2-Dichloroethane-d4		*33.7*	*ug/L*	*30.00*		*112*	*63.3-137*		
Surrogate: Bromofluorobenzene		*29.2*	*ug/L*	*30.00*		*97*	*74.6-123*		
Surrogate: Toluene-d8		*29.9*	*ug/L*	*30.00*		*100*	*71-122*		

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PO#: 3496416

Laboratory Results

Volatile Organics- TCLP - Quality Control

Analyte		Result		Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307813 - 04-No Prep VOA										
Blank (B307813-BLK1)					Prepared: 05/15/13 Analyzed: 05/16/13					
1,1-Dichloroethene		< 5.0		ug/L						
1,2-Dichloroethane		< 5.0		ug/L						
1,4-Dichlorobenzene		< 5.0		ug/L						
2-Butanone		< 10		ug/L						
Benzene		< 5.0		ug/L						
Carbon tetrachloride		< 5.0		ug/L						
Chlorobenzene		< 5.0		ug/L						
Chloroform		< 5.0		ug/L						
Tetrachloroethene		< 5.0		ug/L						
Trichloroethene		< 5.0		ug/L						
Vinyl chloride		< 5.0		ug/L						
Surrogate: 1,2-Dichloroethane-d4			*34.0*	*ug/L*	*30.00*		*113*	*59.4-135*		
Surrogate: Toluene-d8			*31.8*	*ug/L*	*30.00*		*106*	*77.7-111*		
Surrogate: Bromofluorobenzene			*28.9*	*ug/L*	*30.00*		*96*	*74-125*		
LCS (B307813-BS1)					Prepared: 05/15/13 Analyzed: 05/16/13					
1,1-Dichloroethene		22		ug/L	20.00		110	84-127		
1,2-Dichloroethane		21		ug/L	20.00		106	86-134		
1,4-Dichlorobenzene		18		ug/L	20.00		90	82-121		
2-Butanone		21		ug/L	20.00		105	42-133		
Benzene		19		ug/L	20.00		96	88-117		
Carbon tetrachloride		21		ug/L	20.00		107	77-132		
Chlorobenzene		18		ug/L	20.00		92	87-112		
Chloroform		21		ug/L	20.00		105	78-132		
Tetrachloroethene		17		ug/L	20.00		85	74-124		
Trichloroethene		20		ug/L	20.00		101	90-126		
Vinyl chloride	C, X	25		ug/L	20.00		123	56-121		
Surrogate: 1,2-Dichloroethane-d4			*33.1*	*ug/L*	*30.00*		*110*	*58.5-138*		
Surrogate: Toluene-d8			*30.4*	*ug/L*	*30.00*		*101*	*70.3-119*		
Surrogate: Bromofluorobenzene			*27.1*	*ug/L*	*30.00*		*90*	*74-126*		
Matrix Spike (B307813-MS1)		**Source: 3050958-01**			Prepared: 05/15/13 Analyzed: 05/16/13					
1,1-Dichloroethene		548		ug/L	800.0	ND	69	32-165		
1,2-Dichloroethane		781		ug/L	800.0	ND	98	88-130		
1,4-Dichlorobenzene		725		ug/L	800.0	ND	91	75-121		
2-Butanone		2250		ug/L	800.0	1280	120	5-176		
Benzene		678		ug/L	800.0	ND	85	64-132		
Carbon tetrachloride		544		ug/L	800.0	ND	68	34-160		
Chlorobenzene		692		ug/L	800.0	ND	87	73-123		
Chloroform		723		ug/L	800.0	ND	90	68-141		

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Laboratory Results

Volatile Organics- TCLP - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307813 - 04-No Prep VOA								
Matrix Spike (B307813-MS1)	**Source: 3050958-01**		Prepared: 05/15/13 Analyzed: 05/16/13					
Tetrachloroethene	537	ug/L	800.0	ND	67	16-164		
Trichloroethene	618	ug/L	800.0	ND	77	45-161		
Vinyl chloride	465	ug/L	800.0	ND	58	10-152		
Surrogate: 1,2-Dichloroethane-d4	*31.6*	*ug/L*	*30.00*		*105*	*59-133*		
Surrogate: Toluene-d8	*29.9*	*ug/L*	*30.00*		*100*	*78.2-110*		
Surrogate: Bromofluorobenzene	*29.4*	*ug/L*	*30.00*		*98*	*72.2-127*		

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)								
Blank (B307338-BLK1)			Prepared & Analyzed: 05/09/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Methylnaphthalene	< 10.0	ug/L						
2-Methylphenol	< 10.0	ug/L						
2-Nitroaniline	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3- & 4-Methylphenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
3-Nitroaniline	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chloroaniline	< 10.0	ug/L						

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)								
Blank (B307338-BLK1)			Prepared & Analyzed: 05/09/13					
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitroaniline	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Aniline	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Benzoic Acid	< 10.0	ug/L						
Benzyl alcohol	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Carbazole	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						
Dibenzofuran	< 10.0	ug/L						
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)								
Blank (B307338-BLK1)			Prepared & Analyzed: 05/09/13					
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
Pyridine	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	*50*	*ug/L*	*80.00*		*63*	*52.2-99.4*		
Surrogate: Phenol- d5	*54*	*ug/L*	*80.00*		*67*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*53*	*ug/L*	*80.00*		*66*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl	*53*	*ug/L*	*80.00*		*66*	*58-107*		
Surrogate: 2,4,6-Tribromophenol	*45*	*ug/L*	*80.00*		*56*	*37.6-118*		
Surrogate: p-Terphenyl-d14	*52*	*ug/L*	*80.00*		*65*	*42.1-123*		
LCS (B307338-BS1)			Prepared & Analyzed: 05/09/13					
1,2,4-Trichlorobenzene	54	ug/L	80.00		68	56-88		
1,2-Dichlorobenzene	56	ug/L	80.00		70	56-86		
1,3-Dichlorobenzene	54	ug/L	80.00		67	54-84		
1,4-Dichlorobenzene	56	ug/L	80.00		70	55-87		
2,4,5-Trichlorophenol	67	ug/L	80.00		84	54-107		
2,4,6-Trichlorophenol	66	ug/L	80.00		83	53-108		
2,4-Dichlorophenol	63	ug/L	80.00		78	57-100		
2,4-Dimethylphenol	64	ug/L	80.00		80	58-99		
2,4-Dinitrophenol	64	ug/L	80.00		80	41-122		
2,4-Dinitrotoluene	59	ug/L	80.00		73	46-100		
2,6-Dinitrotoluene	58	ug/L	80.00		73	53-100		
2-Chloronaphthalene	55	ug/L	80.00		69	54-90		
2-Chlorophenol	64	ug/L	80.00		80	59-97		
2-Methylphenol	62	ug/L	80.00		78	56-107		
2-Nitrophenol	65	ug/L	80.00		81	56-105		
3- & 4-Methylphenol	67	ug/L	80.00		84	56-100		
3,3'-Dichlorobenzidine	76	ug/L	80.00		95	50-107		

3050958

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Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)								
LCS (B307338-BS1)			Prepared & Analyzed: 05/09/13					
4,6-Dinitro-2-methylphenol	66	ug/L	80.00		82	51-102		
4-Bromophenylphenyl ether	56	ug/L	80.00		69	52-97		
4-Chloro-3-methylphenol	67	ug/L	80.00		84	58-102		
4-Chlorophenylphenyl ether	58	ug/L	80.00		73	52-98		
4-Nitrophenol	72	ug/L	80.00		90	47-114		
Acenaphthene	56	ug/L	80.00		71	54-93		
Acenaphthylene	56	ug/L	80.00		70	56-93		
Anthracene	60	ug/L	80.00		75	57-94		
Azobenzene	58	ug/L	80.00		72	44-98		
Benzidine	13	ug/L	80.00		16	10-68		
Benzo(a)anthracene	57	ug/L	80.00		71	45-94		
Benzo(a)pyrene	62	ug/L	80.00		77	50-111		
Benzo(b&k)fluoranthene	123	ug/L	160.0		77	52-102		
Benzo(b)fluoranthene	58	ug/L	80.00		73	50-108		
Benzo(g,h,i)perylene	74	ug/L	80.00		92	45-102		
Benzo(k)fluoranthene	72	ug/L	80.00		91	50-98		
Benzoic Acid	84	ug/L	80.00		105	43-117		
Bis(2-chloroethoxy) methane	54	ug/L	80.00		68	52-89		
Bis(2-chloroethyl) ether	53	ug/L	80.00		66	55-88		
Bis(2-chloroisopropyl) ether	58	ug/L	80.00		72	37-81		
Bis(2-ethylhexyl) phthalate	58	ug/L	80.00		72	44-97		
Butyl benzyl phthalate	59	ug/L	80.00		74	44-96		
Chrysene	60	ug/L	80.00		75	50-100		
Dibenzo(a,h)anthracene	72	ug/L	80.00		90	53-99		
Diethyl phthalate	56	ug/L	80.00		70	53-92		
Dimethyl phthalate	58	ug/L	80.00		73	53-93		
Di-n-butyl phthalate	56	ug/L	80.00		70	55-96		
Di-n-octyl phthalate	61	ug/L	80.00		76	42-110		
Diphenylamine	67	ug/L	80.00		84	49-97		
Fluoranthene	57	ug/L	80.00		71	56-92		
Fluorene	58	ug/L	80.00		72	52-97		
Hexachlorobenzene	55	ug/L	80.00		68	51-98		
Hexachlorobutadiene	54	ug/L	80.00		67	54-92		
Hexachlorocyclopentadiene	34	ug/L	80.00		43	27-85		
Hexachloroethane	55	ug/L	80.00		69	56-83		
Indeno(1,2,3-cd)pyrene	71	ug/L	80.00		89	50-106		
Isophorone	51	ug/L	80.00		64	52-85		
Naphthalene	55	ug/L	80.00		69	59-87		
Nitrobenzene	53	ug/L	80.00		67	48-95		

3050958

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Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)									
LCS (B307338-BS1)				Prepared & Analyzed: 05/09/13					
N-Nitrosodimethylamine		52	ug/L	80.00		65	53-90		
N-Nitrosodi-n-propylamine		51	ug/L	80.00		64	47-87		
Pentachlorophenol		69	ug/L	80.00		86	49-128		
Phenanthrene		57	ug/L	80.00		72	55-95		
Phenol		60	ug/L	80.00		75	55-96		
Pyrene		63	ug/L	80.00		78	51-98		
1,4-Dichlorobenzene-d4		40	ug/L				0-200		
Naphthalene-d8		40	ug/L				0-200		
Acenaphthene-d10		40	ug/L				0-200		
Phenanthrene-d10		40	ug/L				0-200		
Chrysene-d12		40	ug/L				0-200		
Perylene-d12		40	ug/L				0-200		
Surrogate: 2-Fluorophenol		*58*	*ug/L*	*80.00*		*72*	*52.2-99.4*		
Surrogate: Phenol- d5		*60*	*ug/L*	*80.00*		*74*	*56.8-100*		
Surrogate: Nitrobenzene-d5		*57*	*ug/L*	*80.00*		*71*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl		*60*	*ug/L*	*80.00*		*75*	*58-107*		
Surrogate: 2,4,6-Tribromophenol		*60*	*ug/L*	*80.00*		*75*	*37.6-118*		
Surrogate: p-Terphenyl-d14		*56*	*ug/L*	*80.00*		*70*	*42.1-123*		
Matrix Spike (B307338-MS1)		**Source: 3050958-04**		Prepared & Analyzed: 05/09/13					
1,2,4-Trichlorobenzene	Xa	< 400	ug/L	80.00	ND		36-94		
1,2-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		17-110		
1,3-Dichlorobenzene	Xa	< 400	ug/L	80.00	ND		27-89		
1,4-Dichlorobenzene	Xa	75	ug/L	80.00	ND	94	34-87		
2,4,5-Trichlorophenol	Xa	< 400	ug/L	80.00	ND		15-100		
2,4,6-Trichlorophenol	Xa	< 400	ug/L	80.00	ND		22-101		
2,4-Dichlorophenol	Xa	< 400	ug/L	80.00	ND		10-100		
2,4-Dimethylphenol	Xa	179	ug/L	80.00	156	29	10-94		
2,4-Dinitrophenol	Xa	< 400	ug/L	80.00	ND		10-117		
2,4-Dinitrotoluene	Xa	< 400	ug/L	80.00	ND		34-99		
2,6-Dinitrotoluene	Xa	46	ug/L	80.00	ND	57	39-101		
2-Chloronaphthalene	Xa	48	ug/L	80.00	ND	60	39-94		
2-Chlorophenol	Xa	< 400	ug/L	80.00	ND		12-79		
2-Methylphenol	Xa	114	ug/L	80.00	ND	143	10-98		
2-Nitrophenol	Xa	< 400	ug/L	80.00	ND		16-102		
3- & 4-Methylphenol	Xa	1990	ug/L	80.00	2250	NR	10-87		
3,3'-Dichlorobenzidine	Xa	< 400	ug/L	80.00	ND		10-112		
4,6-Dinitro-2-methylphenol	Xa	< 400	ug/L	80.00	ND		10-113		
4-Bromophenylphenyl ether	Xa	< 400	ug/L	80.00	ND		38-103		
4-Chloro-3-methylphenol	Xa	203	ug/L	80.00	ND	254	10-90		

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/07/13 15:19
Report Date: 05/16/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)									
Matrix Spike (B307338-MS1)		**Source: 3050958-04**		Prepared & Analyzed: 05/09/13					
4-Chlorophenylphenyl ether	Xa	< 400	ug/L	80.00	ND		40-101		
4-Nitrophenol	Xa	< 400	ug/L	80.00	ND		10-72		
Acenaphthene	Xa	50	ug/L	80.00	ND	63	41-98		
Acenaphthylene	Xa	< 400	ug/L	80.00	ND		41-98		
Anthracene	Xa	84	ug/L	80.00	ND	105	40-102		
Azobenzene	Xa	< 400	ug/L	80.00	ND		36-100		
Benzidine	Xa	< 400	ug/L	80.00	ND		10-55		
Benzo(a)anthracene	Xa	< 400	ug/L	80.00	ND		34-99		
Benzo(a)pyrene	Xa	< 400	ug/L	80.00	ND		39-114		
Benzo(b&k)fluoranthene	Xa	80	ug/L	160.0	ND	50	37-112		
Benzo(b)fluoranthene	Xa	< 400	ug/L	80.00	ND		33-128		
Benzo(g,h,i)perylene	Xa	< 400	ug/L	80.00	ND		25-106		
Benzo(k)fluoranthene	Xa	151	ug/L	80.00	ND	189	33-104		
Benzoic Acid	Xa	2800	ug/L	80.00	2030	965	10-62		
Bis(2-chloroethoxy) methane	Xa	< 400	ug/L	80.00	ND		28-91		
Bis(2-chloroethyl) ether	Xa	< 400	ug/L	80.00	ND		10-109		
Bis(2-chloroisopropyl) ether	Xa	74	ug/L	80.00	ND	92	10-105		
Bis(2-ethylhexyl) phthalate	Xa	< 400	ug/L	80.00	ND		32-106		
Butyl benzyl phthalate	Xa	< 400	ug/L	80.00	ND		32-98		
Chrysene	Xa	43	ug/L	80.00	ND	54	40-104		
Dibenzo(a,h)anthracene	Xa	< 400	ug/L	80.00	ND		32-104		
Diethyl phthalate	Xa	< 400	ug/L	80.00	ND		36-99		
Dimethyl phthalate	Xa	< 400	ug/L	80.00	ND		30-94		
Di-n-butyl phthalate	Xa	< 400	ug/L	80.00	ND		42-101		
Di-n-octyl phthalate	Xa	< 400	ug/L	80.00	ND		30-123		
Diphenylamine	Xa	48	ug/L	80.00	ND	60	23-110		
Fluoranthene	Xa	< 400	ug/L	80.00	ND		39-100		
Fluorene	Xa	< 400	ug/L	80.00	ND		40-100		
Hexachlorobenzene	Xa	< 400	ug/L	80.00	ND		35-104		
Hexachlorobutadiene	Xa	< 400	ug/L	80.00	ND		32-99		
Hexachlorocyclopentadiene	Xa	< 400	ug/L	80.00	ND		10-90		
Hexachloroethane	Xa	< 400	ug/L	80.00	ND		15-102		
Indeno(1,2,3-cd)pyrene	Xa	42	ug/L	80.00	ND	52	32-108		
Isophorone	Xa	< 400	ug/L	80.00	ND		29-85		
Naphthalene	Xa	115	ug/L	80.00	80	44	38-97		
Nitrobenzene	Xa	608	ug/L	80.00	668	NR	22-102		
N-Nitrosodimethylamine	Xa	< 400	ug/L	80.00	ND		10-60		
N-Nitrosodi-n-propylamine	Xa	235	ug/L	80.00	ND	294	10-110		
Pentachlorophenol	Xa	285	ug/L	80.00	ND	356	11-127		

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)									
Matrix Spike (B307338-MS1)		**Source: 3050958-04**		Prepared & Analyzed: 05/09/13					
Phenanthrene	Xa	45	ug/L	80.00	ND	56	39-101		
Phenol	Xb	4720	ug/L	80.00	4720	0	10-39		
Pyrene	Xa	44	ug/L	80.00	ND	55	38-106		
1,4-Dichlorobenzene-d4	Xa	1600	ug/L				0-200		
Naphthalene-d8	Xa	1600	ug/L				0-200		
Acenaphthene-d10	Xa	1600	ug/L				0-200		
Phenanthrene-d10	Xa	1600	ug/L				0-200		
Chrysene-d12	Xa	1600	ug/L				0-200		
Perylene-d12	Xa	1600	ug/L				0-200		
Surrogate: 2-Fluorophenol	*S, Xa*	*51*	*ug/L*	*80.00*		*64*	*10-35*		
Surrogate: Phenol- d5	*S, Xa*	*24*	*ug/L*	*80.00*		*30*	*10-26*		
Surrogate: Nitrobenzene-d5	*S, Xa*	*72*	*ug/L*	*80.00*		*90*	*22-105*		
Surrogate: 2-Fluorobiphenyl	*Xa, S*	*43*	*ug/L*	*80.00*		*53*	*30-97*		
Surrogate: 2,4,6-Tribromophenol	*S, Xa*	*14*	*ug/L*	*80.00*		*18*	*10-93*		
Surrogate: p-Terphenyl-d14	*S, Xa*	*39*	*ug/L*	*80.00*		*49*	*22-115*		

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Laboratory Results

Notes

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

Xb The intensity of a secondary ion exceeds the relative intensity in the reference spectra.
Xa Matrix spike diluted out, due to matrix.
X Failed blank spike with high bias; undetect in all samples
S Surrogate compound diluted below a reliable quantitation level.
Q3 MS/MSD both failed %R
Q2 MSD failed %R
C The blank spike failed to meet the required acceptance criteria.

Roxann Shull

Certified by: Roxann Shull, Client Services Supervisor

PDC Laboratories, Inc. – St. Louis
3278 N. Highway 67 (Lindbergh)
Florissant, MO 63033
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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: Bridgeton L.F.
ADDRESS: 13570 St. Charles Rock Road
CITY STATE ZIP: Bridgeton, MO 63044
CONTACT PERSON: Ed Galbraith / Scott C. Fedak

PROJECT NUMBER | P.O. NUMBER | MEANS SHIPPED
PHONE NUMBER | FAX NUMBER | EMAIL ADDRESS
SAMPLER: Scott C. Fedak
SAMPLER'S SIGNATURE: Scott C. Fedak

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 3050058
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	TCLP VOCs (8260B)	TOC (9060)	% Solids (SM2540B)	VOCs (8260B)	SVOCs (8270C)			REMARKS
UNTREATED COMMINGLED TCLP (5/6/13) 6	5/6/13	2040	X	--	L'CHT	2	X							
UNTREATED COMMINGLED TOC (5/6/13) 6		2045		--		1		X						
UNTREATED COMMINGLED SOLIDS (5/6/13) 6		2055		--		1			X					
UNTREATED COMMINGLED VOA/SVOC (5/6/13) 21		2100		--		4				X	X			
UNTREATED COMMINGLED VOA/SVOC (5/6/13) 22		2115		--		4				X	X			
UNTREATED COMMINGLED VOA/SVOC (5/6/13) 23		2130		--		4				X	X			
UNTREATED COMMINGLED VOA/SVOC (5/6/13) 24		2145		--		4				X	X			
Trip Blank	--	--	--	--	--	2				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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/7/13	1500	Heather Carlisle	5/7/13	15:00
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 12.3 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

SUBCONTRACT ORDER

PDC Laboratories, Inc.

3050958

SENDING LABORATORY:

___ PDC Laboratories, Inc, 2231 W Altorfer Peoria, IL 61615

___ PDC Laboratories, Inc, 1805 W Sunset, Springfield, MO 65807

X PDC Laboratories, Inc, 3278 N Highway 67, Florissant, MO 63033

Project Manager: Roxann Shull rshull@pdclab.com Phone: 314-595-7337

Date Shipped 5/8/13

RECEIVING LABORATORY:

PDC Laboratories, Inc.
PO Box 9071
Peoria, IL 61612-9071
Phone :(309) 692-9688

Sample Origin (State) MO

PO#

Total # of Containers 1

Analysis	Due	Expires	Comments
Sample ID: 3050958-02	**Water**	**Sampled:05/06/13 20:45**	
TOC	05/10/13 16:00	06/03/13 20:45	

Turn-Around Time Requested (circle one): NORMAL RUSH Date Results Needed: 5/10/13

Relinquished By	Date/Time	Received By	Date/Time
Heather Cearliart	5/8/13	Melissa Sidley	5/9/13 9:30
Relinquished By	Date/Time	Received By	Date/Time

Sample Temperature Upon Receipt	5 C
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	Y or N
Date/Time Taken From Sample Bottle	Y or N

Page 1 of 1

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: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050963-01**
Sample Description: **Outfall 3 (5/7/13)**

Collect Date: **05/07/13 16:50**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
1,2,4-Trichlorobenzene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
1,2-Dichlorobenzene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
1,3-Dichlorobenzene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
1,4-Dichlorobenzene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2,4,5-Trichlorophenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2,4,6-Trichlorophenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2,4-Dichlorophenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2,4-Dimethylphenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2,4-Dinitrophenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2,4-Dinitrotoluene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2,6-Dimethylaniline	< 50.0 ug/L		05/09/13 18:10	jk	SW 8270C*	
2,6-Dinitrotoluene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2-Chloronaphthalene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2-Chlorophenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2-Methylnaphthalene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2-Methylphenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2-Nitroaniline	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
2-Nitrophenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
3- & 4-Methylphenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
3,3'-Dichlorobenzidine	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
3-Nitroaniline	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
4,6-Dinitro-2-methylphenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
4-Bromophenylphenyl ether	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
4-Chloro-3-methylphenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
4-Chloroaniline	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
4-Chlorophenylphenyl ether	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
4-Nitroaniline	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
4-Nitrophenol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Acenaphthene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Acenaphthylene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Aniline	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Anthracene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Azobenzene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050963-01**
Sample Description: **Outfall 3 (5/7/13)**

Collect Date: **05/07/13 16:50**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL						
Benzidine	< 100 ug/L		05/09/13 18:10	jk	SW 8270C*	
Benzo(a)anthracene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Benzo(a)pyrene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Benzo(b&k)fluoranthene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Benzo(b)fluoranthene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Benzo(g,h,i)perylene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Benzo(k)fluoranthene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Benzoic Acid	< 100 ug/L		05/09/13 18:10	jk	SW 8270C*	
Benzyl alcohol	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Bis(2-chloroethoxy) methane	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Bis(2-chloroethyl) ether	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Bis(2-chloroisopropyl) ether	< 100 ug/L		05/09/13 18:10	jk	SW 8270C*	
Bis(2-ethylhexyl) phthalate	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Butyl benzyl phthalate	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Carbazole	< 100 ug/L		05/09/13 18:10	jk	SW 8270C*	
Chrysene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Dibenzo(a,h)anthracene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Dibenzofuran	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Diethyl phthalate	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Dimethyl phthalate	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Di-n-butyl phthalate	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Di-n-octyl phthalate	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Diphenylamine	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Fluoranthene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Fluorene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Hexachlorobenzene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Hexachlorobutadiene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Hexachlorocyclopentadiene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Hexachloroethane	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Indeno(1,2,3-cd)pyrene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Isophorone	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Naphthalene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Nitrobenzene	< 100 ug/L		05/09/13 18:10	jk	SW 8270C	04KS

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Laboratory Results

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Collect Date: **05/07/13 16:50**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Semivolatile Organics - STL							
N-Nitrosodimethylamine	< 100	ug/L		05/09/13 18:10	jk	SW 8270C	04KS
N-Nitrosodi-n-propylamine	< 100	ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Pentachlorophenol	< 100	ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Phenanthrene	< 100	ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Phenol	< 100	ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Pyrene	< 100	ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Pyridine	< 100	ug/L		05/09/13 18:10	jk	SW 8270C	04KS
Surrogate: 2-Fluorophenol	*7 %*	*10-35*	*S*	*05/09/13 18:10*	*jk*	*SW 8270C*	
Surrogate: Phenol- d5	*6 %*	*10-26*	*S*	*05/09/13 18:10*	*jk*	*SW 8270C*	
Surrogate: Nitrobenzene-d5	*53 %*	*22-105*	*S*	*05/09/13 18:10*	*jk*	*SW 8270C*	
Surrogate: 2-Fluorobiphenyl	*57 %*	*30-97*	*S*	*05/09/13 18:10*	*jk*	*SW 8270C*	
Surrogate: 2,4,6-Tribromophenol	*12 %*	*10-93*	*S*	*05/09/13 18:10*	*jk*	*SW 8270C*	
Surrogate: p-Terphenyl-d14	*59 %*	*22-115*	*S*	*05/09/13 18:10*	*jk*	*SW 8270C*	
Volatile Organics - STL							
1,1,1,2-Tetrachloroethane	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,1,1-Trichloroethane	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,1,2,2-Tetrachloroethane	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B*	
1,1,2-Trichloroethane	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,1-Dichloroethane	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,1-Dichloroethene	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,1-Dichloropropene	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,2,3-Trichlorobenzene	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,2,3-Trichloropropane	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,2,4-Trichlorobenzene	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,2,4-Trimethylbenzene	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,2-Dibromo-3-chloropropane	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B*	
1,2-Dibromoethane	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B*	
1,2-Dichloroethene- Total	< 10	ug/L		05/08/13 11:51	BP	SW 8260B*	
1,2-Dichlorobenzene	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,2-Dichloroethane	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,2-Dichloropropane	< 5.0	ug/L		05/08/13 11:51	BP	SW 8260B	04KS

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Bridgeton Landfill
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Attn: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050963-01**
Sample Description: **Outfall 3 (5/7/13)**

Collect Date: **05/07/13 16:50**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
1,3,5-Trimethylbenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,3-Dichlorobenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,3-Dichloropropane	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,3-Dichloropropene - Total	< 10 ug/L		05/08/13 11:51	BP	SW 8260B*	
1,4-Dichlorobenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
1,4-Dioxane	< 25 ug/L		05/08/13 11:51	BP	SW 8260B*	
2,2-Dichloropropane	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
2-Butanone	340 ug/L		05/08/13 14:21	BP	SW 8260B	04KS
2-Chloroethylvinyl ether	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
2-Chlorotoluene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
2-Hexanone	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
2-Nitropropane	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
4-Chlorotoluene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
4-Methyl-2-pentanone (MIBK)	16 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Acetone	940 ug/L		05/08/13 14:21	BP	SW 8260B	04KS
Acetonitrile	< 25 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Acrolein	< 25 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Acrylonitrile	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Allyl Chloride	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Benzene	47 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Bromobenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Bromochloromethane	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Bromodichloromethane	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Bromoform	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Bromomethane	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Carbon disulfide	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Carbon tetrachloride	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Chlorobenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Chloroethane	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Chloroform	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Chloromethane	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
cis-1,2-Dichloroethene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
cis-1,3-Dichloropropene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS

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Attn: Dan Feezor

Date Received: 05/08/13 10:38
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Customer #: 277310
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Laboratory Results

Sample No: **3050963-01**
Sample Description: **Outfall 3 (5/7/13)**

Collect Date: **05/07/13 16:50**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Dibromochloromethane	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Dibromomethane	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Dichlorodifluoromethane	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Ethyl methacrylate	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B*	
Ethylbenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Hexachlorobutadiene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Iodomethane	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Isobutanol	1300 ug/L		05/08/13 14:21	BP	SW 8260B*	
Isopropylbenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
m,p-Xylene	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Methacrylonitrile	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B*	
Methyl methacrylate	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Methylene chloride	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
MTBE	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Naphthalene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
n-Butylbenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
n-Propylbenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
o-Xylene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
p-Isopropyl toluene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Propionitrile	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
sec-Butylbenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Styrene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
tert-Butylbenzene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Tetrachloroethene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Toluene	7.6 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
trans-1,2-Dichloroethene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
trans-1,3-Dichloropropene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
trans-1,4-Dichloro-2-butene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B*	
Trichloroethene	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Trichlorofluoromethane	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Vinyl acetate	< 10 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Vinyl chloride	< 5.0 ug/L		05/08/13 11:51	BP	SW 8260B	04KS
Xylenes- Total	< 15 ug/L		05/08/13 11:51	BP	SW 8260B*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Sample No: **3050963-01**
Sample Description: **Outfall 3 (5/7/13)**

Collect Date: **05/07/13 16:50**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method
Volatile Organics - STL						
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*65-134*		*05/08/13 11:51*	*BP*	*SW 8260B*
Surrogate: Bromofluorobenzene	*108 %*	*75.1-125*		*05/08/13 11:51*	*BP*	*SW 8260B*
Surrogate: Toluene-d8	*107 %*	*74.2-117*		*05/08/13 11:51*	*BP*	*SW 8260B*

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Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA								
Blank (B307299-BLK1)			Prepared & Analyzed: 05/08/13					
1,1,1,2-Tetrachloroethane	< 5.0	ug/L						
1,1,1-Trichloroethane	< 5.0	ug/L						
1,1,2,2-Tetrachloroethane	< 5.0	ug/L						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	< 5.0	ug/L						
1,1,2-Trichloroethane	< 5.0	ug/L						
1,1-Dichloroethane	< 5.0	ug/L						
1,1-Dichloroethene	< 5.0	ug/L						
1,1-Dichloropropene	< 5.0	ug/L						
1,2,3-Trichlorobenzene	< 5.0	ug/L						
1,2,3-Trichloropropane	< 5.0	ug/L						
1,2,4-Trichlorobenzene	< 5.0	ug/L						
1,2,4-Trimethylbenzene	< 5.0	ug/L						
1,2-Dibromo-3-chloropropane	< 5.0	ug/L						
1,2-Dibromoethane	< 5.0	ug/L						
1,2-Dichloroethene- Total	< 10	ug/L						
1,2-Dichlorobenzene	< 5.0	ug/L						
1,2-Dichloroethane	< 5.0	ug/L						
1,2-Dichloropropane	< 5.0	ug/L						
1,3,5-Trimethylbenzene	< 5.0	ug/L						
1,3-Dichlorobenzene	< 5.0	ug/L						
1,3-Dichloropropane	< 5.0	ug/L						
1,3-Dichloropropene - Total	< 10	ug/L						
1,4-Dichlorobenzene	< 5.0	ug/L						
1,4-Dioxane	< 25	ug/L						
2,2-Dichloropropane	< 5.0	ug/L						
2-Butanone	< 10	ug/L						
2-Chloroethylvinyl ether	< 5.0	ug/L						
2-Chlorotoluene	< 5.0	ug/L						
2-Hexanone	< 10	ug/L						
2-Nitropropane	< 10	ug/L						
4-Chlorotoluene	< 5.0	ug/L						
4-Methyl-2-pentanone (MIBK)	< 10	ug/L						
Acetone	< 10	ug/L						
Acetonitrile	< 25	ug/L						
Acrolein	< 25	ug/L						
Acrylonitrile	< 10	ug/L						
Allyl Chloride	< 5.0	ug/L						
Benzene	< 5.0	ug/L						

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Attn: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA								
Blank (B307299-BLK1)			Prepared & Analyzed: 05/08/13					
Bromobenzene	< 5.0	ug/L						
Bromochloromethane	< 5.0	ug/L						
Bromodichloromethane	< 5.0	ug/L						
Bromoform	< 5.0	ug/L						
Bromomethane	< 10	ug/L						
Carbon disulfide	< 5.0	ug/L						
Carbon tetrachloride	< 5.0	ug/L						
Chlorobenzene	< 5.0	ug/L						
Chloroethane	< 10	ug/L						
Chloroform	< 5.0	ug/L						
Chloromethane	< 10	ug/L						
cis-1,2-Dichloroethene	< 5.0	ug/L						
cis-1,3-Dichloropropene	< 5.0	ug/L						
Dibromochloromethane	< 5.0	ug/L						
Dibromomethane	< 5.0	ug/L						
Dichlorodifluoromethane	< 10	ug/L						
Ethyl methacrylate	< 5.0	ug/L						
Ethylbenzene	< 5.0	ug/L						
Hexachlorobutadiene	< 5.0	ug/L						
Iodomethane	< 10	ug/L						
Isobutanol	< 25	ug/L						
Isopropylbenzene	< 5.0	ug/L						
m,p-Xylene	< 10	ug/L						
Methacrylonitrile	< 5.0	ug/L						
Methyl methacrylate	< 5.0	ug/L						
Methylene chloride	< 5.0	ug/L						
MTBE	< 5.0	ug/L						
Naphthalene	< 5.0	ug/L						
n-Butylbenzene	< 5.0	ug/L						
n-Propylbenzene	< 5.0	ug/L						
o-Xylene	< 5.0	ug/L						
p-Isopropyl toluene	< 5.0	ug/L						
Propionitrile	< 10	ug/L						
sec-Butylbenzene	< 5.0	ug/L						
Styrene	< 5.0	ug/L						
tert-Butylbenzene	< 5.0	ug/L						
Tetrachloroethene	< 5.0	ug/L						
Toluene	< 5.0	ug/L						
trans-1,2-Dichloroethene	< 5.0	ug/L						

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Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result		Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA									
Blank (B307299-BLK1)				Prepared & Analyzed: 05/08/13					
trans-1,3-Dichloropropene	< 5.0		ug/L						
trans-1,4-Dichloro-2-butene	< 5.0		ug/L						
Trichloroethene	< 5.0		ug/L						
Trichlorofluoromethane	< 5.0		ug/L						
Vinyl acetate	< 10		ug/L						
Vinyl chloride	< 5.0		ug/L						
Xylenes- Total	< 15		ug/L						
Surrogate: 1,2-Dichloroethane-d4		*31.7*	*ug/L*	*30.00*		*106*	*65-134*		
Surrogate: Bromofluorobenzene		*29.5*	*ug/L*	*30.00*		*98*	*75.1-125*		
Surrogate: Toluene-d8		*29.8*	*ug/L*	*30.00*		*99*	*74.2-117*		
LCS (B307299-BS1)				Prepared & Analyzed: 05/08/13					
1,1,1-Trichloroethane	19		ug/L	20.00		94	76-131		
1,1,2,2-Tetrachloroethane	20		ug/L	20.00		99	79-126		
1,1,2-Trichloroethane	18		ug/L	20.00		91	79-123		
1,1-Dichloroethane	19		ug/L	20.00		94	74-133		
1,1-Dichloroethene	21		ug/L	20.00		105	71-135		
1,2-Dichlorobenzene	18		ug/L	20.00		91	76-113		
1,2-Dichloroethane	20		ug/L	20.00		98	80-135		
1,2-Dichloropropane	20		ug/L	20.00		99	78-127		
1,3-Dichlorobenzene	19		ug/L	20.00		94	82-119		
1,4-Dichlorobenzene	18		ug/L	20.00		90	78-118		
2-Chloroethylvinyl ether	18		ug/L	20.00		90	66-138		
Acrolein	100		ug/L	100.0		100	38-156		
Acrylonitrile	22		ug/L	20.00		110	43-121		
Benzene	19		ug/L	20.00		96	84-114		
Bromodichloromethane	18		ug/L	20.00		88	82-116		
Bromoform	17		ug/L	20.00		83	65-115		
Bromomethane	15		ug/L	20.00		74	28-143		
Carbon tetrachloride	20		ug/L	20.00		98	72-131		
Chlorobenzene	18		ug/L	20.00		89	82-112		
Chloroethane	18		ug/L	20.00		89	41-126		
Chloroform	19		ug/L	20.00		97	78-124		
Chloromethane	17		ug/L	20.00		87	52-110		
cis-1,3-Dichloropropene	19		ug/L	20.00		95	82-116		
Dibromochloromethane	17		ug/L	20.00		86	83-119		
Ethylbenzene	18		ug/L	20.00		90	85-118		
m,p-Xylene	35		ug/L	40.00		87	80-111		
Methylene chloride	19		ug/L	20.00		96	78-140		
o-Xylene	18		ug/L	20.00		88	81-111		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA									
LCS (B307299-BS1)				Prepared & Analyzed: 05/08/13					
Tetrachloroethene		18	ug/L	20.00		89	65-135		
Toluene		18	ug/L	20.00		90	81-120		
trans-1,2-Dichloroethene		20	ug/L	20.00		100	70-136		
trans-1,3-Dichloropropene		17	ug/L	20.00		87	82-113		
Trichloroethene		19	ug/L	20.00		96	84-125		
Trichlorofluoromethane		21	ug/L	20.00		104	70-138		
Vinyl chloride		20	ug/L	20.00		100	56-112		
Surrogate: 1,2-Dichloroethane-d4		*33.4*	*ug/L*	*30.00*		*111*	*65.3-134*		
Surrogate: Bromofluorobenzene		*28.5*	*ug/L*	*30.00*		*95*	*77.8-123*		
Surrogate: Toluene-d8		*30.5*	*ug/L*	*30.00*		*102*	*73.2-119*		
Matrix Spike (B307299-MS1)		**Source: 3050958-08**		Prepared & Analyzed: 05/08/13					
1,1,1-Trichloroethane		12	ug/L	20.00	ND	60	58-143		
1,1,2,2-Tetrachloroethane		17	ug/L	20.00	ND	85	70-133		
1,1,2-Trichloroethane		17	ug/L	20.00	ND	83	73-130		
1,1-Dichloroethane		16	ug/L	20.00	ND	79	55-146		
1,1-Dichloroethene		11	ug/L	20.00	ND	56	51-150		
1,2-Dichlorobenzene		16	ug/L	20.00	ND	80	62-120		
1,2-Dichloroethane		17	ug/L	20.00	ND	86	67-143		
1,2-Dichloropropane		17	ug/L	20.00	ND	85	66-134		
1,3-Dichlorobenzene		16	ug/L	20.00	ND	82	67-124		
1,4-Dichlorobenzene		16	ug/L	20.00	ND	79	66-123		
Acrolein		58	ug/L	100.0	ND	58	14-156		
Acrylonitrile		14	ug/L	20.00	ND	70	46-116		
Benzene		15	ug/L	20.00	ND	75	69-126		
Bromodichloromethane		15	ug/L	20.00	ND	77	67-128		
Bromoform		15	ug/L	20.00	ND	76	42-132		
Bromomethane		14	ug/L	20.00	ND	72	5-138		
Carbon tetrachloride	Q3	10	ug/L	20.00	ND	52	53-151		
Chlorobenzene		16	ug/L	20.00	ND	81	67-124		
Chloroethane		14	ug/L	20.00	ND	69	35-123		
Chloroform		18	ug/L	20.00	ND	91	41-155		
Chloromethane		12	ug/L	20.00	ND	60	39-120		
cis-1,3-Dichloropropene		16	ug/L	20.00	ND	80	68-126		
Dibromochloromethane		16	ug/L	20.00	ND	78	68-131		
Ethylbenzene		16	ug/L	20.00	ND	80	68-128		
m,p-Xylene		30	ug/L	40.00	ND	74	64-122		
Methylene chloride		18	ug/L	20.00	ND	89	70-150		
o-Xylene		16	ug/L	20.00	ND	78	65-122		
Tetrachloroethene		13	ug/L	20.00	ND	63	42-132		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA									
Matrix Spike (B307299-MS1)		**Source: 3050958-08**		Prepared & Analyzed: 05/08/13					
Toluene		16	ug/L	20.00	ND	78	64-137		
trans-1,2-Dichloroethene		15	ug/L	20.00	ND	76	57-145		
trans-1,3-Dichloropropene		16	ug/L	20.00	ND	79	66-121		
Trichloroethene		14	ug/L	20.00	ND	71	69-131		
Trichlorofluoromethane		7	ug/L	20.00	ND	36	36-162		
Vinyl chloride		9	ug/L	20.00	ND	43	24-137		
Surrogate: 1,2-Dichloroethane-d4		*32.1*	*ug/L*	*30.00*		*107*	*63.3-137*		
Surrogate: Bromofluorobenzene		*30.1*	*ug/L*	*30.00*		*100*	*74.6-123*		
Surrogate: Toluene-d8		*29.7*	*ug/L*	*30.00*		*99*	*71-122*		
Matrix Spike Dup (B307299-MSD1)		**Source: 3050958-08**		Prepared & Analyzed: 05/08/13					
1,1,1-Trichloroethane		12	ug/L	20.00	ND	58	58-143	3	40
1,1,2,2-Tetrachloroethane		18	ug/L	20.00	ND	88	70-133	3	40
1,1,2-Trichloroethane		17	ug/L	20.00	ND	83	73-130	1	40
1,1-Dichloroethane		15	ug/L	20.00	ND	77	55-146	2	40
1,1-Dichloroethene		10	ug/L	20.00	ND	52	51-150	8	40
1,2-Dichlorobenzene		16	ug/L	20.00	ND	78	62-120	3	40
1,2-Dichloroethane		18	ug/L	20.00	ND	92	67-143	6	40
1,2-Dichloropropane		17	ug/L	20.00	ND	87	66-134	2	40
1,3-Dichlorobenzene		16	ug/L	20.00	ND	82	67-124	0.2	40
1,4-Dichlorobenzene		16	ug/L	20.00	ND	80	66-123	2	40
Acrolein		76	ug/L	100.0	ND	76	14-156	26	40
Acrylonitrile		18	ug/L	20.00	ND	89	46-116	23	40
Benzene		15	ug/L	20.00	ND	75	69-126	0.2	40
Bromodichloromethane		16	ug/L	20.00	ND	80	67-128	4	40
Bromoform		15	ug/L	20.00	ND	77	42-132	1	40
Bromomethane		14	ug/L	20.00	ND	69	5-138	4	40
Carbon tetrachloride	Q3	10	ug/L	20.00	ND	50	53-151	3	40
Chlorobenzene		16	ug/L	20.00	ND	78	67-124	4	40
Chloroethane		14	ug/L	20.00	ND	70	35-123	1	40
Chloroform		18	ug/L	20.00	ND	88	41-155	3	40
Chloromethane		12	ug/L	20.00	ND	59	39-120	0.9	40
cis-1,3-Dichloropropene		16	ug/L	20.00	ND	82	68-126	1	40
Dibromochloromethane		16	ug/L	20.00	ND	78	68-131	0.2	40
Ethylbenzene		14	ug/L	20.00	ND	72	68-128	10	40
m,p-Xylene		28	ug/L	40.00	ND	69	64-122	7	40
Methylene chloride		18	ug/L	20.00	ND	89	70-150	0.9	40
o-Xylene		14	ug/L	20.00	ND	72	65-122	8	40
Tetrachloroethene		12	ug/L	20.00	ND	58	42-132	8	40
Toluene		15	ug/L	20.00	ND	74	64-137	6	40

3050963

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Date Received: 05/08/13 10:38
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PO#: 3496416

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result		Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307299 - 04-No Prep VOA										
Matrix Spike Dup (B307299-MSD1)		**Source: 3050958-08**			Prepared & Analyzed: 05/08/13					
trans-1,2-Dichloroethene		14		ug/L	20.00	ND	71	57-145	7	40
trans-1,3-Dichloropropene		17		ug/L	20.00	ND	83	66-121	5	40
Trichloroethene		14		ug/L	20.00	ND	70	69-131	2	40
Trichlorofluoromethane	Q2	7		ug/L	20.00	ND	33	36-162	8	40
Vinyl chloride		8		ug/L	20.00	ND	41	24-137	5	40
Surrogate: 1,2-Dichloroethane-d4			*33.7*	*ug/L*	*30.00*		*112*	*63.3-137*		
Surrogate: Bromofluorobenzene			*29.2*	*ug/L*	*30.00*		*97*	*74.6-123*		
Surrogate: Toluene-d8			*29.9*	*ug/L*	*30.00*		*100*	*71-122*		

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)								
Blank (B307338-BLK1)			Prepared & Analyzed: 05/09/13					
1,2,4-Trichlorobenzene	< 10.0	ug/L						
1,2-Dichlorobenzene	< 10.0	ug/L						
1,3-Dichlorobenzene	< 10.0	ug/L						
1,4-Dichlorobenzene	< 10.0	ug/L						
2,4,5-Trichlorophenol	< 10.0	ug/L						
2,4,6-Trichlorophenol	< 10.0	ug/L						
2,4-Dichlorophenol	< 10.0	ug/L						
2,4-Dimethylphenol	< 10.0	ug/L						
2,4-Dinitrophenol	< 10.0	ug/L						
2,4-Dinitrotoluene	< 10.0	ug/L						
2,6-Dimethylaniline	< 5.00	ug/L						
2,6-Dinitrotoluene	< 10.0	ug/L						
2-Chloronaphthalene	< 10.0	ug/L						
2-Chlorophenol	< 10.0	ug/L						
2-Methylnaphthalene	< 10.0	ug/L						
2-Methylphenol	< 10.0	ug/L						
2-Nitroaniline	< 10.0	ug/L						
2-Nitrophenol	< 10.0	ug/L						
3- & 4-Methylphenol	< 10.0	ug/L						
3,3'-Dichlorobenzidine	< 10.0	ug/L						
3-Nitroaniline	< 10.0	ug/L						
4,6-Dinitro-2-methylphenol	< 10.0	ug/L						
4-Bromophenylphenyl ether	< 10.0	ug/L						

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)								
Blank (B307338-BLK1)			Prepared & Analyzed: 05/09/13					
4-Chloro-3-methylphenol	< 10.0	ug/L						
4-Chloroaniline	< 10.0	ug/L						
4-Chlorophenylphenyl ether	< 10.0	ug/L						
4-Nitroaniline	< 10.0	ug/L						
4-Nitrophenol	< 10.0	ug/L						
Acenaphthene	< 10.0	ug/L						
Acenaphthylene	< 10.0	ug/L						
Aniline	< 10.0	ug/L						
Anthracene	< 10.0	ug/L						
Azobenzene	< 10.0	ug/L						
Benzidine	< 10.0	ug/L						
Benzo(a)anthracene	< 10.0	ug/L						
Benzo(a)pyrene	< 10.0	ug/L						
Benzo(b&k)fluoranthene	< 10.0	ug/L						
Benzo(b)fluoranthene	< 10.0	ug/L						
Benzo(g,h,i)perylene	< 10.0	ug/L						
Benzo(k)fluoranthene	< 10.0	ug/L						
Benzoic Acid	< 10.0	ug/L						
Benzyl alcohol	< 10.0	ug/L						
Bis(2-chloroethoxy) methane	< 10.0	ug/L						
Bis(2-chloroethyl) ether	< 10.0	ug/L						
Bis(2-chloroisopropyl) ether	< 10.0	ug/L						
Bis(2-ethylhexyl) phthalate	< 10.0	ug/L						
Butyl benzyl phthalate	< 10.0	ug/L						
Carbazole	< 10.0	ug/L						
Chrysene	< 10.0	ug/L						
Dibenzo(a,h)anthracene	< 10.0	ug/L						
Dibenzofuran	< 10.0	ug/L						
Diethyl phthalate	< 10.0	ug/L						
Dimethyl phthalate	< 10.0	ug/L						
Di-n-butyl phthalate	< 10.0	ug/L						
Di-n-octyl phthalate	< 10.0	ug/L						
Diphenylamine	< 10.0	ug/L						
Fluoranthene	< 10.0	ug/L						
Fluorene	< 10.0	ug/L						
Hexachlorobenzene	< 10.0	ug/L						
Hexachlorobutadiene	< 10.0	ug/L						
Hexachlorocyclopentadiene	< 10.0	ug/L						
Hexachloroethane	< 10.0	ug/L						

PDC Laboratories, Inc.
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(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977

Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)								
Blank (B307338-BLK1)			Prepared & Analyzed: 05/09/13					
Indeno(1,2,3-cd)pyrene	< 10.0	ug/L						
Isophorone	< 10.0	ug/L						
Naphthalene	< 10.0	ug/L						
Nitrobenzene	< 10.0	ug/L						
N-Nitrosodimethylamine	< 10.0	ug/L						
N-Nitrosodi-n-propylamine	< 10.0	ug/L						
Pentachlorophenol	< 10.0	ug/L						
Phenanthrene	< 10.0	ug/L						
Phenol	< 10.0	ug/L						
Pyrene	< 10.0	ug/L						
Pyridine	< 10.0	ug/L						
1,4-Dichlorobenzene-d4	40	ug/L				0-200		
Naphthalene-d8	40	ug/L				0-200		
Acenaphthene-d10	40	ug/L				0-200		
Phenanthrene-d10	40	ug/L				0-200		
Chrysene-d12	40	ug/L				0-200		
Perylene-d12	40	ug/L				0-200		
Surrogate: 2-Fluorophenol	*50*	*ug/L*	*80.00*		*63*	*52.2-99.4*		
Surrogate: Phenol- d5	*54*	*ug/L*	*80.00*		*67*	*56.8-100*		
Surrogate: Nitrobenzene-d5	*53*	*ug/L*	*80.00*		*66*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl	*53*	*ug/L*	*80.00*		*66*	*58-107*		
Surrogate: 2,4,6-Tribromophenol	*45*	*ug/L*	*80.00*		*56*	*37.6-118*		
Surrogate: p-Terphenyl-d14	*52*	*ug/L*	*80.00*		*65*	*42.1-123*		
LCS (B307338-BS1)			Prepared & Analyzed: 05/09/13					
1,2,4-Trichlorobenzene	54	ug/L	80.00		68	56-88		
1,2-Dichlorobenzene	56	ug/L	80.00		70	56-86		
1,3-Dichlorobenzene	54	ug/L	80.00		67	54-84		
1,4-Dichlorobenzene	56	ug/L	80.00		70	55-87		
2,4,5-Trichlorophenol	67	ug/L	80.00		84	54-107		
2,4,6-Trichlorophenol	66	ug/L	80.00		83	53-108		
2,4-Dichlorophenol	63	ug/L	80.00		78	57-100		
2,4-Dimethylphenol	64	ug/L	80.00		80	58-99		
2,4-Dinitrophenol	64	ug/L	80.00		80	41-122		
2,4-Dinitrotoluene	59	ug/L	80.00		73	46-100		
2,6-Dinitrotoluene	58	ug/L	80.00		73	53-100		
2-Chloronaphthalene	55	ug/L	80.00		69	54-90		
2-Chlorophenol	64	ug/L	80.00		80	59-97		
2-Methylphenol	62	ug/L	80.00		78	56-107		
2-Nitrophenol	65	ug/L	80.00		81	56-105		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)								
LCS (B307338-BS1)			Prepared & Analyzed: 05/09/13					
3- & 4-Methylphenol	67	ug/L	80.00		84	56-100		
3,3'-Dichlorobenzidine	76	ug/L	80.00		95	50-107		
4,6-Dinitro-2-methylphenol	66	ug/L	80.00		82	51-102		
4-Bromophenylphenyl ether	56	ug/L	80.00		69	52-97		
4-Chloro-3-methylphenol	67	ug/L	80.00		84	58-102		
4-Chlorophenylphenyl ether	58	ug/L	80.00		73	52-98		
4-Nitrophenol	72	ug/L	80.00		90	47-114		
Acenaphthene	56	ug/L	80.00		71	54-93		
Acenaphthylene	56	ug/L	80.00		70	56-93		
Anthracene	60	ug/L	80.00		75	57-94		
Azobenzene	58	ug/L	80.00		72	44-98		
Benzidine	13	ug/L	80.00		16	10-68		
Benzo(a)anthracene	57	ug/L	80.00		71	45-94		
Benzo(a)pyrene	62	ug/L	80.00		77	50-111		
Benzo(b&k)fluoranthene	123	ug/L	160.0		77	52-102		
Benzo(b)fluoranthene	58	ug/L	80.00		73	50-108		
Benzo(g,h,i)perylene	74	ug/L	80.00		92	45-102		
Benzo(k)fluoranthene	72	ug/L	80.00		91	50-98		
Benzoic Acid	84	ug/L	80.00		105	43-117		
Bis(2-chloroethoxy) methane	54	ug/L	80.00		68	52-89		
Bis(2-chloroethyl) ether	53	ug/L	80.00		66	55-88		
Bis(2-chloroisopropyl) ether	58	ug/L	80.00		72	37-81		
Bis(2-ethylhexyl) phthalate	58	ug/L	80.00		72	44-97		
Butyl benzyl phthalate	59	ug/L	80.00		74	44-96		
Chrysene	60	ug/L	80.00		75	50-100		
Dibenzo(a,h)anthracene	72	ug/L	80.00		90	53-99		
Diethyl phthalate	56	ug/L	80.00		70	53-92		
Dimethyl phthalate	58	ug/L	80.00		73	53-93		
Di-n-butyl phthalate	56	ug/L	80.00		70	55-96		
Di-n-octyl phthalate	61	ug/L	80.00		76	42-110		
Diphenylamine	67	ug/L	80.00		84	49-97		
Fluoranthene	57	ug/L	80.00		71	56-92		
Fluorene	58	ug/L	80.00		72	52-97		
Hexachlorobenzene	55	ug/L	80.00		68	51-98		
Hexachlorobutadiene	54	ug/L	80.00		67	54-92		
Hexachlorocyclopentadiene	34	ug/L	80.00		43	27-85		
Hexachloroethane	55	ug/L	80.00		69	56-83		
Indeno(1,2,3-cd)pyrene	71	ug/L	80.00		89	50-106		
Isophorone	51	ug/L	80.00		64	52-85		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)									
LCS (B307338-BS1)				Prepared & Analyzed: 05/09/13					
Naphthalene		55	ug/L	80.00		69	59-87		
Nitrobenzene		53	ug/L	80.00		67	48-95		
N-Nitrosodimethylamine		52	ug/L	80.00		65	53-90		
N-Nitrosodi-n-propylamine		51	ug/L	80.00		64	47-87		
Pentachlorophenol		69	ug/L	80.00		86	49-128		
Phenanthrene		57	ug/L	80.00		72	55-95		
Phenol		60	ug/L	80.00		75	55-96		
Pyrene		63	ug/L	80.00		78	51-98		
1,4-Dichlorobenzene-d4		40	ug/L				0-200		
Naphthalene-d8		40	ug/L				0-200		
Acenaphthene-d10		40	ug/L				0-200		
Phenanthrene-d10		40	ug/L				0-200		
Chrysene-d12		40	ug/L				0-200		
Perylene-d12		40	ug/L				0-200		
Surrogate: 2-Fluorophenol		*58*	*ug/L*	*80.00*		*72*	*52.2-99.4*		
Surrogate: Phenol- d5		*60*	*ug/L*	*80.00*		*74*	*56.8-100*		
Surrogate: Nitrobenzene-d5		*57*	*ug/L*	*80.00*		*71*	*62.4-112*		
Surrogate: 2-Fluorobiphenyl		*60*	*ug/L*	*80.00*		*75*	*58-107*		
Surrogate: 2,4,6-Tribromophenol		*60*	*ug/L*	*80.00*		*75*	*37.6-118*		
Surrogate: p-Terphenyl-d14		*56*	*ug/L*	*80.00*		*70*	*42.1-123*		
Matrix Spike (B307338-MS1)		**Source: 3050958-04**		Prepared & Analyzed: 05/09/13					
1,2,4-Trichlorobenzene	X	< 400	ug/L	80.00	ND		36-94		
1,2-Dichlorobenzene	X	< 400	ug/L	80.00	ND		17-110		
1,3-Dichlorobenzene	X	< 400	ug/L	80.00	ND		27-89		
1,4-Dichlorobenzene	X	75	ug/L	80.00	ND	94	34-87		
2,4,5-Trichlorophenol	X	< 400	ug/L	80.00	ND		15-100		
2,4,6-Trichlorophenol	X	< 400	ug/L	80.00	ND		22-101		
2,4-Dichlorophenol	X	< 400	ug/L	80.00	ND		10-100		
2,4-Dimethylphenol	X	179	ug/L	80.00	156	29	10-94		
2,4-Dinitrophenol	X	< 400	ug/L	80.00	ND		10-117		
2,4-Dinitrotoluene	X	< 400	ug/L	80.00	ND		34-99		
2,6-Dinitrotoluene	X	46	ug/L	80.00	ND	57	39-101		
2-Chloronaphthalene	X	48	ug/L	80.00	ND	60	39-94		
2-Chlorophenol	X	< 400	ug/L	80.00	ND		12-79		
2-Methylphenol	X	114	ug/L	80.00	ND	143	10-98		
2-Nitrophenol	X	< 400	ug/L	80.00	ND		16-102		
3- & 4-Methylphenol	X	1990	ug/L	80.00	2250	NR	10-87		
3,3'-Dichlorobenzidine	X	< 400	ug/L	80.00	ND		10-112		
4,6-Dinitro-2-methylphenol	X	< 400	ug/L	80.00	ND		10-113		

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/08/13 10:38
Report Date: 05/13/13
Customer #: 277310
PO#: 3496416

Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)									
Matrix Spike (B307338-MS1)		**Source: 3050958-04**		Prepared & Analyzed: 05/09/13					
4-Bromophenylphenyl ether	X	< 400	ug/L	80.00	ND		38-103		
4-Chloro-3-methylphenol	X	203	ug/L	80.00	ND	254	10-90		
4-Chlorophenylphenyl ether	X	< 400	ug/L	80.00	ND		40-101		
4-Nitrophenol	X	< 400	ug/L	80.00	ND		10-72		
Acenaphthene	X	50	ug/L	80.00	ND	63	41-98		
Acenaphthylene	X	< 400	ug/L	80.00	ND		41-98		
Anthracene	X	84	ug/L	80.00	ND	105	40-102		
Azobenzene	X	< 400	ug/L	80.00	ND		36-100		
Benzidine	X	< 400	ug/L	80.00	ND		10-55		
Benzo(a)anthracene	X	< 400	ug/L	80.00	ND		34-99		
Benzo(a)pyrene	X	< 400	ug/L	80.00	ND		39-114		
Benzo(b&k)fluoranthene	X	80	ug/L	160.0	ND	50	37-112		
Benzo(b)fluoranthene	X	< 400	ug/L	80.00	ND		33-128		
Benzo(g,h,i)perylene	X	< 400	ug/L	80.00	ND		25-106		
Benzo(k)fluoranthene	X	151	ug/L	80.00	ND	189	33-104		
Benzoic Acid	X	2800	ug/L	80.00	2030	965	10-62		
Bis(2-chloroethoxy) methane	X	< 400	ug/L	80.00	ND		28-91		
Bis(2-chloroethyl) ether	X	< 400	ug/L	80.00	ND		10-109		
Bis(2-chloroisopropyl) ether	X	74	ug/L	80.00	ND	92	10-105		
Bis(2-ethylhexyl) phthalate	X	< 400	ug/L	80.00	ND		32-106		
Butyl benzyl phthalate	X	< 400	ug/L	80.00	ND		32-98		
Chrysene	X	43	ug/L	80.00	ND	54	40-104		
Dibenzo(a,h)anthracene	X	< 400	ug/L	80.00	ND		32-104		
Diethyl phthalate	X	< 400	ug/L	80.00	ND		36-99		
Dimethyl phthalate	X	< 400	ug/L	80.00	ND		30-94		
Di-n-butyl phthalate	X	< 400	ug/L	80.00	ND		42-101		
Di-n-octyl phthalate	X	< 400	ug/L	80.00	ND		30-123		
Diphenylamine	X	48	ug/L	80.00	ND	60	23-110		
Fluoranthene	X	< 400	ug/L	80.00	ND		39-100		
Fluorene	X	< 400	ug/L	80.00	ND		40-100		
Hexachlorobenzene	X	< 400	ug/L	80.00	ND		35-104		
Hexachlorobutadiene	X	< 400	ug/L	80.00	ND		32-99		
Hexachlorocyclopentadiene	X	< 400	ug/L	80.00	ND		10-90		
Hexachloroethane	X	< 400	ug/L	80.00	ND		15-102		
Indeno(1,2,3-cd)pyrene	X	42	ug/L	80.00	ND	52	32-108		
Isophorone	X	< 400	ug/L	80.00	ND		29-85		
Naphthalene	X	115	ug/L	80.00	80	44	38-97		
Nitrobenzene	X	608	ug/L	80.00	668	NR	22-102		
N-Nitrosodimethylamine	X	< 400	ug/L	80.00	ND		10-60		

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Laboratory Results

Semivolatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B307338 - 04 SW 3510 (625/8270)									
Matrix Spike (B307338-MS1)		**Source: 3050958-04**		Prepared & Analyzed: 05/09/13					
N-Nitrosodi-n-propylamine	X	235	ug/L	80.00	ND	294	10-110		
Pentachlorophenol	X	285	ug/L	80.00	ND	356	11-127		
Phenanthrene	X	45	ug/L	80.00	ND	56	39-101		
Phenol	Xa	4720	ug/L	80.00	4720	0	10-39		
Pyrene	X	44	ug/L	80.00	ND	55	38-106		
1,4-Dichlorobenzene-d4	X	1600	ug/L				0-200		
Naphthalene-d8	X	1600	ug/L				0-200		
Acenaphthene-d10	X	1600	ug/L				0-200		
Phenanthrene-d10	X	1600	ug/L				0-200		
Chrysene-d12	X	1600	ug/L				0-200		
Perylene-d12	X	1600	ug/L				0-200		
Surrogate: 2-Fluorophenol	*S, X*	*51*	*ug/L*	*80.00*		*64*	*10-35*		
Surrogate: Phenol- d5	*S, X*	*24*	*ug/L*	*80.00*		*30*	*10-26*		
Surrogate: Nitrobenzene-d5	*S, X*	*72*	*ug/L*	*80.00*		*90*	*22-105*		
Surrogate: 2-Fluorobiphenyl	*S, X*	*43*	*ug/L*	*80.00*		*53*	*30-97*		
Surrogate: 2,4,6-Tribromophenol	*S, X*	*14*	*ug/L*	*80.00*		*18*	*10-93*		
Surrogate: p-Terphenyl-d14	*S, X*	*39*	*ug/L*	*80.00*		*49*	*22-115*		

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

Xa The intensity of a secondary ion exceeds the relative intensity in the reference spectra.
X Matrix spike diluted out, due to matrix.
S Surrogate compound diluted below a reliable quantitation level.
Q3 MS/MSD both failed %R
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 MO

(Instructions/Sample Acceptance Policy on Reverse)

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

1

CLIENT: Bridgeton L.F.	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 St. Charles Rock Road	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: Bridgeton, MO 63044	SAMPLER: Scott C. Fedak		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, NAL-NONAQUEOUS, SOIL-SOILS
CONTACT PERSON: DAN FEEZOR, SCOTT C. FEDAK	SAMPLER'S SIGNATURE: SCOTT C. FEDAK		

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 3050963
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	VOCs (8260B)	SVOCs (8270C)							REMARKS
OUTFALL 3 (5/7/13)	5/7/13	1650	X	--	WW	4	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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/8/13	10:10	Heather Gallert	5/8/13	10:10
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	0.5 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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Attn: Dan Feezor

Date Received: 05/21/13 10:08
Report Date: 05/23/13
Customer #: 277310

Laboratory Results

Sample No: **3052643-01**
Sample Description: **Tank 41 A733**

Collect Date: **05/20/13 12:03**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	92000	mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS
pH	5.3	pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	260	mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1	mg/L		05/22/13 15:49	WPS	EPA 200.7 R4.4	04KS
Zinc	12	mg/L		05/22/13 15:49	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	1300	ug/L	Q3	05/21/13 18:00	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*65-134*		*05/21/13 18:00*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*108 %*	*74.2-117*		*05/21/13 18:00*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*100 %*	*74.1-125*		*05/21/13 18:00*	*BP*	*EPA 624*	

Sample No: **3052643-02**
Sample Description: **Tank 42 A1797**

Collect Date: **05/20/13 12:37**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	95000	mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	160	mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.019	mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.92	mg/L		05/22/13 16:02	WPS	EPA 200.7 R4.4	04KS
Zinc	8.7	mg/L		05/22/13 16:02	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	1000	ug/L		05/21/13 19:17	BP	EPA 624	04KS

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Laboratory Results

Sample No: **3052643-02**
Sample Description: **Tank 42 A1797**

Collect Date: **05/20/13 12:37**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*65-134*		*05/21/13 19:17*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 %*	*74.2-117*		*05/21/13 19:17*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*137 %*	*74.1-125*	*T*	*05/21/13 19:17*	*BP*	*EPA 624*	

Sample No: **3052643-03**
Sample Description: **Tank 43 A6135IM**

Collect Date: **05/20/13 14:05**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	96000	mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	2400	mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.0024	mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1	mg/L		05/22/13 16:06	WPS	EPA 200.7 R4.4	04KS
Zinc	11	mg/L		05/22/13 16:06	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	970	ug/L		05/21/13 19:43	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*105 %*	*65-134*		*05/21/13 19:43*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*105 %*	*74.2-117*		*05/21/13 19:43*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*135 %*	*74.1-125*	*T*	*05/21/13 19:43*	*BP*	*EPA 624*	

Sample No: **3052643-04**
Sample Description: **Tank 44 A517**

Collect Date: **05/20/13 13:37**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	97000	mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052643-04**
Sample Description: **Tank 44 A517**

Collect Date: **05/20/13 13:37**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	89 mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.92 mg/L	Q1	05/22/13 16:10	WPS	EPA 200.7 R4.4	04KS
Zinc	11 mg/L		05/22/13 16:10	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	870 ug/L		05/21/13 20:08	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 % 65-134*		*05/21/13 20:08*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*107 % 74.2-117*		*05/21/13 20:08*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*139 % 74.1-125*	*T*	*05/21/13 20:08*	*BP*	*EPA 624*	

Sample No: **3052643-05**
Sample Description: **Tank 46 A1785**

Collect Date: **05/20/13 14:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	92000 mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	580 mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.92 mg/L		05/22/13 16:51	WPS	EPA 200.7 R4.4	04KS
Zinc	10 mg/L		05/22/13 16:51	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	710 ug/L		05/21/13 20:34	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*104 % 65-134*		*05/21/13 20:34*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3052643-05**
Sample Description: **Tank 46 A1785**

Collect Date: **05/20/13 14:45**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*106 %*	*74.2-117*		*05/21/13 20:34*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*125 %*	*74.1-125*		*05/21/13 20:34*	*BP*	*EPA 624*	

Sample No: **3052643-06**
Sample Description: **Tank 47 A5450**

Collect Date: **05/20/13 15:30**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	68000	mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS
pH	5.7	pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	88	mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.60	mg/L		05/22/13 16:55	WPS	EPA 200.7 R4.4	04KS
Zinc	9.1	mg/L		05/22/13 16:55	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	210	ug/L		05/21/13 20:59	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*65-134*		*05/21/13 20:59*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 %*	*74.2-117*		*05/21/13 20:59*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 %*	*74.1-125*		*05/21/13 20:59*	*BP*	*EPA 624*	

Sample No: **3052643-07**
Sample Description: **Tank 48 A6145IM**

Collect Date: **05/20/13 15:15**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	63000	mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052643-07**
Sample Description: **Tank 48 A6145IM**

Collect Date: **05/20/13 15:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1100 mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.45 mg/L		05/22/13 16:59	WPS	EPA 200.7 R4.4	04KS
Zinc	8.9 mg/L		05/22/13 16:59	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	290 ug/L		05/21/13 21:26	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*105 % 65-134*		*05/21/13 21:26*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*105 % 74.2-117*		*05/21/13 21:26*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*114 % 74.1-125*		*05/21/13 21:26*	*BP*	*EPA 624*	

Sample No: **3052643-08**
Sample Description: **Tank 49 A1299**

Collect Date: **05/20/13 15:49**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	73000 mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS
pH	5.7 pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	89 mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.82 mg/L		05/22/13 17:03	WPS	EPA 200.7 R4.4	04KS
Zinc	9.7 mg/L		05/22/13 17:03	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	240 ug/L		05/21/13 21:51	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*103 % 65-134*		*05/21/13 21:51*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3052643-08**
Sample Description: **Tank 49 A1299**

Collect Date: **05/20/13 15:49**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*106 %*	*74.2-117*		*05/21/13 21:51*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*114 %*	*74.1-125*		*05/21/13 21:51*	*BP*	*EPA 624*	

Sample No: **3052643-09**
Sample Description: **Tank 50 A6137IM**

Collect Date: **05/20/13 15:57**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	94000	mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	140	mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.88	mg/L		05/22/13 17:07	WPS	EPA 200.7 R4.4	04KS
Zinc	11	mg/L		05/22/13 17:07	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	880	ug/L		05/21/13 22:17	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 %*	*65-134*		*05/21/13 22:17*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*106 %*	*74.2-117*		*05/21/13 22:17*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*134 %*	*74.1-125*	*T*	*05/21/13 22:17*	*BP*	*EPA 624*	

Sample No: **3052643-10**
Sample Description: **Tank 60 A849**

Collect Date: **05/20/13 13:19**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	86000	mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052643-10**
Sample Description: **Tank 60 A849**

Collect Date: **05/20/13 13:19**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	110 mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.018 mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1 mg/L		05/22/13 17:11	WPS	EPA 200.7 R4.4	04KS
Zinc	8.9 mg/L		05/22/13 17:11	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	800 ug/L		05/21/13 22:43	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*108 % 65-134*		*05/21/13 22:43*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*110 % 74.2-117*		*05/21/13 22:43*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*138 % 74.1-125*	*T*	*05/21/13 22:43*	*BP*	*EPA 624*	

Sample No: **3052643-11**
Sample Description: **Tank 61 A774**

Collect Date: **05/20/13 16:14**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	90000 mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	150 mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1 mg/L		05/22/13 17:15	WPS	EPA 200.7 R4.4	04KS
Zinc	10 mg/L		05/22/13 17:15	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	490 ug/L		05/21/13 23:08	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*109 % 65-134*		*05/21/13 23:08*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3052643-11**
Sample Description: **Tank 61 A774**

Collect Date: **05/20/13 16:14**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*110 %*	*74.2-117*		*05/21/13 23:08*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*125 %*	*74.1-125*		*05/21/13 23:08*	*BP*	*EPA 624*	

Sample No: **3052643-12**
Sample Description: **Tank 62 A731**

Collect Date: **05/20/13 16:31**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	94000	mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	150	mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.015	mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1	mg/L		05/22/13 17:19	WPS	EPA 200.7 R4.4	04KS
Zinc	12	mg/L		05/22/13 17:19	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	670	ug/L		05/21/13 23:35	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*65-134*		*05/21/13 23:35*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*104 %*	*74.2-117*		*05/21/13 23:35*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*133 %*	*74.1-125*	*T*	*05/21/13 23:35*	*BP*	*EPA 624*	

Sample No: **3052643-13**
Sample Description: **Tank 63 A677**

Collect Date: **05/20/13 16:47**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	58000	mg/L		05/21/13 13:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052643-13**
Sample Description: **Tank 63 A677**

Collect Date: **05/20/13 16:47**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
pH	5.4	pH Units	H	05/21/13 11:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	910	mg/L		05/21/13 12:30	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/22/13 12:12	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.54	mg/L		05/22/13 17:23	WPS	EPA 200.7 R4.4	04KS
Zinc	5.2	mg/L		05/22/13 17:23	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	180	ug/L		05/22/13 00:01	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*105 %*	*65-134*		*05/22/13 00:01*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*108 %*	*74.2-117*		*05/22/13 00:01*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 %*	*74.1-125*		*05/22/13 00:01*	*BP*	*EPA 624*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/21/13 10:08
Report Date: 05/23/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308171 - 04-No Prep WC								
Blank (B308171-BLK1)			Prepared & Analyzed: 05/21/13					
COD	< 100	mg/L						
LCS (B308171-BS1)			Prepared & Analyzed: 05/21/13					
COD	517	mg/L	500.0		103	95-105		
Duplicate (B308171-DUP1)	**Source: 3052643-01**		Prepared & Analyzed: 05/21/13					
COD	92700	mg/L		92200			0.5	20
Batch B308173 - 04-No Prep WC								
Blank (B308173-BLK1)			Prepared & Analyzed: 05/21/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308173-BS1)			Prepared & Analyzed: 05/21/13					
Solids - total suspended solids (TSS)	102	mg/L	100.0		102	82.9-110		
Duplicate (B308173-DUP1)	**Source: 3052643-01**		Prepared & Analyzed: 05/21/13					
Solids - total suspended solids (TSS)	264	mg/L		262			0.8	5
Duplicate (B308173-DUP2)	**Source: 3052643-02**		Prepared & Analyzed: 05/21/13					
Solids - total suspended solids (TSS)	163	mg/L		163			0	5
Batch B308229 - 04-No Prep WC								
Calibration Check (B308229-CCV1)			Prepared & Analyzed: 05/21/13					
pH	6.99	pH Units	7.000		100	0-200		
Duplicate (B308229-DUP1)	**Source: 3052643-01**		Prepared & Analyzed: 05/21/13					
pH	5.35	pH Units		5.34			0.2	10

Total Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308175 - 04 EPA 200.2 R2.8									
Blank (B308175-BLK1)				Prepared: 05/21/13 Analyzed: 05/22/13					
Arsenic		< 0.015	mg/L						
Zinc		< 0.010	mg/L						
LCS (B308175-BS1)				Prepared: 05/21/13 Analyzed: 05/22/13					
Arsenic		0.0982	mg/L	0.1000		98	85-115		
Zinc		0.102	mg/L	0.1000		102	85-115		
Matrix Spike (B308175-MS1)		**Source: 3052643-04**		Prepared: 05/21/13 Analyzed: 05/22/13					
Arsenic	Q1	2.24	mg/L	1.000	0.921	132	70-130		

3052643

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Report Date: 05/23/13
Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308175 - 04 EPA 200.2 R2.8								
Matrix Spike (B308175-MS1)	**Source: 3052643-04**		Prepared: 05/21/13 Analyzed: 05/22/13					
Zinc	11.8	mg/L	1.000	10.5	128	70-130		
Matrix Spike Dup (B308175-MSD1)	**Source: 3052643-04**		Prepared: 05/21/13 Analyzed: 05/22/13					
Arsenic	2.11	mg/L	1.000	0.921	118	70-130	6	20
Zinc	11.7	mg/L	1.000	10.5	118	70-130	0.8	20
Batch B308234 - 04-SW 7470A/245.1								
Blank (B308234-BLK1)			Prepared & Analyzed: 05/22/13					
Mercury	< 0.0002	mg/L						
LCS (B308234-BS1)			Prepared & Analyzed: 05/22/13					
Mercury	0.00217	mg/L	0.002000		108	85-115		
Matrix Spike (B308234-MS1)	**Source: 3052544-17**		Prepared & Analyzed: 05/22/13					
Mercury	0.00212	mg/L	0.002000	ND	106	70-130		
Matrix Spike (B308234-MS2)	**Source: 3052643-05**		Prepared & Analyzed: 05/22/13					
Mercury	0.0194	mg/L	0.02000	ND	97	70-130		
Matrix Spike Dup (B308234-MSD1)	**Source: 3052544-17**		Prepared & Analyzed: 05/22/13					
Mercury	0.00222	mg/L	0.002000	ND	111	70-130	5	20
Matrix Spike Dup (B308234-MSD2)	**Source: 3052643-05**		Prepared & Analyzed: 05/22/13					
Mercury	0.0196	mg/L	0.02000	ND	98	70-130	1	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308163 - 04-No Prep VOA								
Blank (B308163-BLK1)			Prepared & Analyzed: 05/21/13					
Benzene	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*32.0*	*ug/L*	*30.00*		*107*	*65-134*		
Surrogate: Toluene-d8	*32.0*	*ug/L*	*30.00*		*107*	*74.2-117*		
Surrogate: Bromofluorobenzene	*29.3*	*ug/L*	*30.00*		*98*	*74.1-125*		
LCS (B308163-BS1)			Prepared & Analyzed: 05/21/13					
Benzene	19.1	ug/L	20.00		95	84-114		
Surrogate: 1,2-Dichloroethane-d4	*30.6*	*ug/L*	*30.00*		*102*	*65.3-134*		
Surrogate: Toluene-d8	*32.4*	*ug/L*	*30.00*		*108*	*73.2-119*		
Surrogate: Bromofluorobenzene	*28.7*	*ug/L*	*30.00*		*96*	*77.8-123*		
Matrix Spike (B308163-MS1)	**Source: 3052643-01**		Prepared & Analyzed: 05/21/13					

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Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308163 - 04-No Prep VOA									
Matrix Spike (B308163-MS1)		**Source: 3052643-01**		Prepared & Analyzed: 05/21/13					
Benzene	Q3	1540	ug/L	400.0	1340	51	69-126		
Surrogate: 1,2-Dichloroethane-d4		*29.2*	*ug/L*	*30.00*		*97*	*63.3-137*		
Surrogate: Toluene-d8		*30.8*	*ug/L*	*30.00*		*103*	*71-122*		
Surrogate: Bromofluorobenzene	*T*	*10.8*	*ug/L*	*30.00*		*36*	*74.6-123*		
Matrix Spike Dup (B308163-MSD1)		**Source: 3052643-01**		Prepared & Analyzed: 05/21/13					
Benzene	Q3	1510	ug/L	400.0	1340	43	69-126	2	40
Surrogate: 1,2-Dichloroethane-d4		*30.1*	*ug/L*	*30.00*		*100*	*63.3-137*		
Surrogate: Toluene-d8		*30.6*	*ug/L*	*30.00*		*102*	*71-122*		
Surrogate: Bromofluorobenzene	*T*	*37.8*	*ug/L*	*30.00*		*126*	*74.6-123*		

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Laboratory Results

Notes

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Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
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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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

T Surrogate recovery failed to meet the required acceptance criteria in the initial analysis. Sample was re-extracted (if applicalble) and re-analyzed, and the surrogate recovery was outside of the required acceptance criteria on the second analysis also.
Q3 MS/MSD both failed %R
Q1 MS Failed %R
H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Roxann Shull

Certified by: Roxann Shull, Client Services Supervisor

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CHAIN OF CUSTODY RECORD

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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: BRIDGETON L.F.
ADDRESS: 13570 ST. CHARLES ROCK RD.
CITY STATE ZIP: BRIDGETON, MO 63044
CONTACT PERSON: SCOTT C. FEDAK

PROJECT NUMBER | P.O. NUMBER | MEANS SHIPPED
PHONE NUMBER | FAX NUMBER | EMAIL ADDRESS
SAMPLER: Hunter King
SAMPLER'S SIGNATURE: [signature]

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 3052643
LOGGED BY: HG
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	COMP	MATRIX TYPE	Bottle Count	Volatiles	Total Metals	COD	pH, TSS	Total Benzene			REMARKS
Tank 41 A733	5/20/13	1203	G			5	X	X	X	X	X			see attached list
Tank 42 A1797	5/20/13	1237	G			5	X	X	X	X	X			
Tank 43 A6135IM	5/20/13	1405	G			5	X	X	X	X	X			
Tank 44 A517	5/20/13	1337	G			5	X	X	X	X	X			
Tank 46 A1785	5/20/13	1445	G			5	X	X	X	X	X			
Tank 47 A5450	5/20/13	1530	G			5	X	X	X	X	X			
Tank 48 A6145IM	5/20/13	1515	G			5	X	X	X	X	X			
Tank 49 A1299	5/20/13	1549	G			5	X	X	X	X	X			
Tank 50 A6137IM	5/20/13	1557	G			5	X	X	X	X	X			
Tank 60 A849	5/20/13	1319	G			5	X	X	X	X	X			
Tank 61 A774	5/20/13	1614	G			5	X	X	X	X	X			
Tank 62 A731	5/20/13	1631	G			5	X	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) *Fastrak*™ (3 Bus. Days) 1-2 Bus. Days Same Day
DATE DUE _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Hunter King	5/21/13	833	Scott C. Fedak	5/21/13	0835
RELINQUISHED BY: (SIGNATURE) Scott C. Fedak	DATE 5/21/13	TIME 0900	RECEIVED BY: [signature]	DATE 5-21-13	TIME 9:00
RELINQUISHED BY: (SIGNATURE) [signature]	DATE 5-21-13	TIME 9:25	RECEIVED BY: Heather Gallant	DATE 5/21/13	TIME 09:25
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 4.5 °C HG 5-21-13
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLES(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 9:25
DATE AND TME TAKEN FROM SAMPLE BOTTLE

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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: Bridgeton L.F.	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 St. Charles Rock Rd.	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: Bridgeton, MO 63044	SAMPLER: Hunter King		
CONTACT PERSON: Scott C. Fedack	SAMPLER'S SIGNATURE: Hunter King		

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

2 / 3 ANALYSIS REQUESTED

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	Volatiles	Total Metals	COD	pH, TSS	Total Benzene			REMARKS
Tank 63 1677	5/20/13	1647	G			5	X	X	X	X	X			see attached list

4 (FOR LAB USE ONLY)
LOGIN #
LOGGED BY:
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Hunter King	5/21/13	833	Scott C. Fedack	5/21/13	0835
Scott C. Fedack	5/21	0900	[illegible]	5-21-13	9:00
[illegible]	5/21/13	09:25	Heather Leallart	5/21/13	09:25
RELINQUISHED BY: (SIGNATURE)	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	
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE		

5-21-13 9:25

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/21/13 16:55
Report Date: 05/28/13
Customer #: 277310

Laboratory Results

Sample No: **3052776-01**
Sample Description: **Tank 64 A1737**

Collect Date: **05/21/13 08:37**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	30000	mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.8	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	36	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.39	mg/L		05/22/13 17:48	WPS	EPA 200.7 R4.4	04KS
Zinc	3.2	mg/L		05/22/13 17:48	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	630	ug/L		05/22/13 12:04	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*65-134*		*05/22/13 12:04*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 %*	*74.2-117*		*05/22/13 12:04*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*116 %*	*74.1-125*		*05/22/13 12:04*	*BP*	*EPA 624*	

Sample No: **3052776-02**
Sample Description: **Tank 66 A1236**

Collect Date: **05/21/13 09:16**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	17000	mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	6.1	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	560	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.0057	mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.21	mg/L		05/22/13 18:00	WPS	EPA 200.7 R4.4	04KS
Zinc	2.4	mg/L		05/22/13 18:00	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	580	ug/L		05/22/13 13:23	BP	EPA 624	04KS

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Attn: Dan Feezor

Date Received: 05/21/13 16:55
Report Date: 05/28/13
Customer #: 277310

Laboratory Results

Sample No: **3052776-02**
Sample Description: **Tank 66 A1236**

Collect Date: **05/21/13 09:16**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*65-134*		*05/22/13 13:23*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*108 %*	*74.2-117*		*05/22/13 13:23*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*126 %*	*74.1-125*	*T*	*05/22/13 13:23*	*BP*	*EPA 624*	

Sample No: **3052776-03**
Sample Description: **Tank 65 A6075**

Collect Date: **05/21/13 09:35**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	29000	mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	6.2	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	240	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.0026	mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.31	mg/L		05/22/13 18:04	WPS	EPA 200.7 R4.4	04KS
Zinc	1.6	mg/L		05/22/13 18:04	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	570	ug/L		05/22/13 13:49	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*65-134*		*05/22/13 13:49*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*107 %*	*74.2-117*		*05/22/13 13:49*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*115 %*	*74.1-125*		*05/22/13 13:49*	*BP*	*EPA 624*	

Sample No: **3052776-04**
Sample Description: **Tank 68 A5708**

Collect Date: **05/21/13 09:38**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	30000	mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS

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Attn: Dan Feezor

Date Received: 05/21/13 16:55
Report Date: 05/28/13
Customer #: 277310

Laboratory Results

Sample No: **3052776-04**
Sample Description: **Tank 68 A5708**

Collect Date: **05/21/13 09:38**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	360 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.28 mg/L		05/22/13 18:08	WPS	EPA 200.7 R4.4	04KS
Zinc	8.6 mg/L		05/22/13 18:08	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	420 ug/L		05/22/13 14:16	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*103 % 65-134*		*05/22/13 14:16*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*104 % 74.2-117*		*05/22/13 14:16*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*115 % 74.1-125*		*05/22/13 14:16*	*BP*	*EPA 624*	

Sample No: **3052776-05**
Sample Description: **Tank 69 A5872**

Collect Date: **05/21/13 09:52**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	110000 mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.2 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	140 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.0026 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	< 0.15 mg/L		05/22/13 18:12	WPS	EPA 200.7 R4.4	04KS
Zinc	22 mg/L		05/22/13 18:12	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	550 ug/L		05/22/13 14:44	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 % 65-134*		*05/22/13 14:44*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3052776-05**
Sample Description: **Tank 69 A5872**

Collect Date: **05/21/13 09:52**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: Toluene-d8	*100 % 74.2-117*		*05/22/13 14:44*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*120 % 74.1-125*		*05/22/13 14:44*	*BP*	*EPA 624*	

Sample No: **3052776-06**
Sample Description: **Tank 70 256056**

Collect Date: **05/21/13 10:06**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	50000 mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	610 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.37 mg/L		05/22/13 18:16	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/22/13 18:16	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	990 ug/L		05/22/13 15:11	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*105 % 65-134*		*05/22/13 15:11*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/22/13 15:11*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*117 % 74.1-125*		*05/22/13 15:11*	*BP*	*EPA 624*	

Sample No: **3052776-07**
Sample Description: **Tank 77 256881**

Collect Date: **05/21/13 10:11**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	89000 mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052776-07**
Sample Description: **Tank 77 256881**

Collect Date: **05/21/13 10:11**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1600 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.50 mg/L		05/22/13 18:32	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L		05/22/13 18:32	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	670 ug/L		05/22/13 16:08	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*93 % 65-134*		*05/22/13 16:08*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*95 % 74.2-117*		*05/22/13 16:08*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 % 74.1-125*		*05/22/13 16:08*	*jk*	*EPA 624*	

Sample No: **3052776-08**
Sample Description: **Tank 78 254453N**

Collect Date: **05/21/13 10:23**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	69000 mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1100 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.69 mg/L		05/22/13 18:37	WPS	EPA 200.7 R4.4	04KS
Zinc	17 mg/L		05/22/13 18:37	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	560 ug/L		05/22/13 16:34	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 % 65-134*		*05/22/13 16:34*	*jk*	*EPA 624*	

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Laboratory Results

Sample No: **3052776-08**
Sample Description: **Tank 78 254453N**

Collect Date: **05/21/13 10:23**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*97 %*	*74.2-117*		*05/22/13 16:34*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*109 %*	*74.1-125*		*05/22/13 16:34*	*jk*	*EPA 624*	

Sample No: **3052776-09**
Sample Description: **Tank 79 239082**

Collect Date: **05/21/13 10:32**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	91000	mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.6	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1300	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.83	mg/L		05/22/13 18:41	WPS	EPA 200.7 R4.4	04KS
Zinc	15	mg/L		05/22/13 18:41	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	470	ug/L		05/22/13 16:59	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 %*	*65-134*		*05/22/13 16:59*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*96 %*	*74.2-117*		*05/22/13 16:59*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 %*	*74.1-125*		*05/22/13 16:59*	*jk*	*EPA 624*	

Sample No: **3052776-10**
Sample Description: **Tank 80 239785**

Collect Date: **05/21/13 10:35**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	85000	mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052776-10**
Sample Description: **Tank 80 239785**

Collect Date: **05/21/13 10:35**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	140 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.86 mg/L		05/22/13 18:45	WPS	EPA 200.7 R4.4	04KS
Zinc	9.8 mg/L		05/22/13 18:45	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	410 ug/L		05/22/13 17:27	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*93 % 65-134*		*05/22/13 17:27*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*96 % 74.2-117*		*05/22/13 17:27*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 % 74.1-125*		*05/22/13 17:27*	*jk*	*EPA 624*	

Sample No: **3052776-11**
Sample Description: **Tank 81 251842**

Collect Date: **05/21/13 10:42**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	73000 mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1100 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.84 mg/L		05/22/13 18:49	WPS	EPA 200.7 R4.4	04KS
Zinc	7.5 mg/L		05/22/13 18:49	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	430 ug/L		05/22/13 17:54	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*96 % 65-134*		*05/22/13 17:54*	*jk*	*EPA 624*	

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Sample No: **3052776-11**
Sample Description: **Tank 81 251842**

Collect Date: **05/21/13 10:42**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*100 %*	*74.2-117*		*05/22/13 17:54*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*113 %*	*74.1-125*		*05/22/13 17:54*	*jk*	*EPA 624*	

Sample No: **3052776-12**
Sample Description: **Tank 86 254540**

Collect Date: **05/21/13 11:07**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	56000	mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.9	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	100	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.78	mg/L		05/22/13 18:53	WPS	EPA 200.7 R4.4	04KS
Zinc	4.5	mg/L		05/22/13 18:53	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	460	ug/L		05/22/13 18:23	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*65-134*		*05/22/13 18:23*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*97 %*	*74.2-117*		*05/22/13 18:23*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 %*	*74.1-125*		*05/22/13 18:23*	*jk*	*EPA 624*	

Sample No: **3052776-13**
Sample Description: **Tank 85 259577**

Collect Date: **05/21/13 11:07**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	38000	mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052776-13**
Sample Description: **Tank 85 259577**

Collect Date: **05/21/13 11:07**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.8 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1700 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.0083 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.9 mg/L		05/22/13 18:57	WPS	EPA 200.7 R4.4	04KS
Zinc	2.5 mg/L		05/22/13 18:57	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	2900 ug/L		05/22/13 18:49	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 % 65-134*		*05/22/13 18:49*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/22/13 18:49*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*122 % 74.1-125*		*05/22/13 18:49*	*jk*	*EPA 624*	

Sample No: **3052776-14**
Sample Description: **Tank 84 265059**

Collect Date: **05/21/13 11:19**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	49000 mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.8 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	89 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.50 mg/L		05/22/13 19:01	WPS	EPA 200.7 R4.4	04KS
Zinc	2.2 mg/L		05/22/13 19:01	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1000 ug/L		05/22/13 19:15	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*94 % 65-134*		*05/22/13 19:15*	*jk*	*EPA 624*	

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Laboratory Results

Sample No: **3052776-14**
Sample Description: **Tank 84 265059**

Collect Date: **05/21/13 11:19**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*96 %*	*74.2-117*		*05/22/13 19:15*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 %*	*74.1-125*		*05/22/13 19:15*	*jk*	*EPA 624*	

Sample No: **3052776-15**
Sample Description: **Tank 83 257239**

Collect Date: **05/21/13 11:29**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	75000	mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1100	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.80	mg/L		05/22/13 19:05	WPS	EPA 200.7 R4.4	04KS
Zinc	13	mg/L		05/22/13 19:05	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	550	ug/L		05/22/13 19:41	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*98 %*	*65-134*		*05/22/13 19:41*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/22/13 19:41*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*116 %*	*74.1-125*		*05/22/13 19:41*	*jk*	*EPA 624*	

Sample No: **3052776-16**
Sample Description: **Tank 82 239556**

Collect Date: **05/21/13 11:36**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	62000	mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052776-16**
Sample Description: **Tank 82 239556**

Collect Date: **05/21/13 11:36**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	890 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.64 mg/L		05/22/13 19:09	WPS	EPA 200.7 R4.4	04KS
Zinc	15 mg/L		05/22/13 19:09	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	460 ug/L		05/22/13 20:06	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*96 % 65-134*		*05/22/13 20:06*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*97 % 74.2-117*		*05/22/13 20:06*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*115 % 74.1-125*		*05/22/13 20:06*	*jk*	*EPA 624*	

Sample No: **3052776-17**
Sample Description: **Tank 76 260752**

Collect Date: **05/21/13 11:42**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	100000 mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	160 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.32 mg/L		05/22/13 19:25	WPS	EPA 200.7 R4.4	04KS
Zinc	15 mg/L		05/22/13 19:25	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	750 ug/L		05/22/13 20:31	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*93 % 65-134*		*05/22/13 20:31*	*jk*	*EPA 624*	

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Laboratory Results

Sample No: **3052776-17**
Sample Description: **Tank 76 260752**

Collect Date: **05/21/13 11:42**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/22/13 20:31*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*113 % 74.1-125*		*05/22/13 20:31*	*jk*	*EPA 624*	

Sample No: **3052776-18**
Sample Description: **Tank 75 266356**

Collect Date: **05/21/13 11:46**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	45000 mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	170 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/22/13 15:55	KAE	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.61 mg/L		05/22/13 19:29	WPS	EPA 200.7 R4.4	04KS
Zinc	9.3 mg/L		05/22/13 19:29	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	850 ug/L		05/22/13 20:57	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*94 % 65-134*		*05/22/13 20:57*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*101 % 74.2-117*		*05/22/13 20:57*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*113 % 74.1-125*		*05/22/13 20:57*	*jk*	*EPA 624*	

Sample No: **3052776-19**
Sample Description: **Tank 74 239889**

Collect Date: **05/21/13 11:49**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	52000 mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052776-19**
Sample Description: **Tank 74 239889**

Collect Date: **05/21/13 11:49**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	130 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.53 mg/L		05/22/13 19:34	WPS	EPA 200.7 R4.4	04KS
Zinc	13 mg/L		05/22/13 19:34	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	470 ug/L		05/22/13 22:41	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 % 65-134*		*05/22/13 22:41*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/22/13 22:41*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 % 74.1-125*		*05/22/13 22:41*	*jk*	*EPA 624*	

Sample No: **3052776-20**
Sample Description: **Tank 73 266387**

Collect Date: **05/21/13 11:57**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	82000 mg/L		05/22/13 14:40	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	160 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.68 mg/L		05/22/13 19:46	WPS	EPA 200.7 R4.4	04KS
Zinc	11 mg/L	Q4	05/22/13 19:46	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	680 ug/L		05/22/13 23:58	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*103 % 65-134*		*05/22/13 23:58*	*jk*	*EPA 624*	

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Sample No: **3052776-20**
Sample Description: **Tank 73 266387**

Collect Date: **05/21/13 11:57**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*102 %*	*74.2-117*		*05/22/13 23:58*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*121 %*	*74.1-125*		*05/22/13 23:58*	*jk*	*EPA 624*	

Sample No: **3052776-21**
Sample Description: **Tank 72 256554**

Collect Date: **05/21/13 12:04**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	69000	mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.7	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	190	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.82	mg/L		05/22/13 19:58	WPS	EPA 200.7 R4.4	04KS
Zinc	10	mg/L		05/22/13 19:58	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	780	ug/L		05/23/13 00:24	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*98 %*	*65-134*		*05/23/13 00:24*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/23/13 00:24*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*116 %*	*74.1-125*		*05/23/13 00:24*	*jk*	*EPA 624*	

Sample No: **3052776-22**
Sample Description: **Tank 71 255884**

Collect Date: **05/21/13 12:14**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	67000	mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052776-22**
Sample Description: **Tank 71 255884**

Collect Date: **05/21/13 12:14**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	260 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.69 mg/L		05/23/13 10:08	WPS	EPA 200.7 R4.4	04KS
Zinc	9.6 mg/L		05/23/13 10:08	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	790 ug/L		05/23/13 00:49	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*101 % 65-134*		*05/23/13 00:49*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*100 % 74.2-117*		*05/23/13 00:49*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*119 % 74.1-125*		*05/23/13 00:49*	*jk*	*EPA 624*	

Sample No: **3052776-23**
Sample Description: **Tank 94 256234**

Collect Date: **05/21/13 13:34**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	76000 mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	470 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.0043 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.85 mg/L		05/22/13 20:15	WPS	EPA 200.7 R4.4	04KS
Zinc	19 mg/L		05/22/13 20:15	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	230 ug/L		05/23/13 01:15	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*99 % 65-134*		*05/23/13 01:15*	*jk*	*EPA 624*	

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Laboratory Results

Sample No: **3052776-23**
Sample Description: **Tank 94 256234**

Collect Date: **05/21/13 13:34**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*103 %*	*74.2-117*		*05/23/13 01:15*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*114 %*	*74.1-125*		*05/23/13 01:15*	*jk*	*EPA 624*	

Sample No: **3052776-24**
Sample Description: **Tank 95 239118**

Collect Date: **05/21/13 13:18**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	44000	mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	300	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1	mg/L		05/22/13 20:19	WPS	EPA 200.7 R4.4	04KS
Zinc	14	mg/L		05/22/13 20:19	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	100	ug/L		05/23/13 01:40	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*94 %*	*65-134*		*05/23/13 01:40*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/23/13 01:40*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 %*	*74.1-125*		*05/23/13 01:40*	*jk*	*EPA 624*	

Sample No: **3052776-25**
Sample Description: **Tank 93 255872**

Collect Date: **05/21/13 13:42**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	120000	mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052776-25**
Sample Description: **Tank 93 255872**

Collect Date: **05/21/13 13:42**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	75 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.49 mg/L		05/22/13 20:23	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/22/13 20:23	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	370 ug/L		05/23/13 02:05	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*90 % 65-134*		*05/23/13 02:05*	*jk*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/23/13 02:05*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 % 74.1-125*		*05/23/13 02:05*	*jk*	*EPA 624*	

Sample No: **3052776-26**
Sample Description: **Tank 92 239587**

Collect Date: **05/21/13 13:57**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	76000 mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	300 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.0026 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.70 mg/L		05/22/13 20:27	WPS	EPA 200.7 R4.4	04KS
Zinc	18 mg/L		05/22/13 20:27	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	430 ug/L		05/23/13 02:32	jk	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*90 % 65-134*		*05/23/13 02:32*	*jk*	*EPA 624*	

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Sample No: **3052776-26**
Sample Description: **Tank 92 239587**

Collect Date: **05/21/13 13:57**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/23/13 02:32*	*jk*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 %*	*74.1-125*		*05/23/13 02:32*	*jk*	*EPA 624*	

Sample No: **3052776-27**
Sample Description: **Tank 91 256082**

Collect Date: **05/21/13 14:02**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	80000	mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	91	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.80	mg/L		05/22/13 20:31	WPS	EPA 200.7 R4.4	04KS
Zinc	16	mg/L		05/22/13 20:31	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	480	ug/L		05/23/13 02:57	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*93 %*	*65-134*		*05/23/13 02:57*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/23/13 02:57*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*113 %*	*74.1-125*		*05/23/13 02:57*	*BP*	*EPA 624*	

Sample No: **3052776-28**
Sample Description: **Tank 90 257707**

Collect Date: **05/21/13 14:17**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	82000	mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052776-28**
Sample Description: **Tank 90 257707**

Collect Date: **05/21/13 14:17**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	220 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.67 mg/L		05/22/13 20:35	WPS	EPA 200.7 R4.4	04KS
Zinc	19 mg/L		05/22/13 20:35	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	830 ug/L		05/23/13 03:23	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*89 % 65-134*		*05/23/13 03:23*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/23/13 03:23*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*107 % 74.1-125*		*05/23/13 03:23*	*BP*	*EPA 624*	

Sample No: **3052776-29**
Sample Description: **Tank 89 258666**

Collect Date: **05/21/13 14:26**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	64000 mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	740 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.78 mg/L		05/22/13 20:39	WPS	EPA 200.7 R4.4	04KS
Zinc	7.2 mg/L		05/22/13 20:39	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	< 100 ug/L		05/23/13 03:50	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*101 % 65-134*		*05/23/13 03:50*	*BP*	*EPA 624*	

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Sample No: **3052776-29**
Sample Description: **Tank 89 258666**

Collect Date: **05/21/13 14:26**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*102 %*	*74.2-117*		*05/23/13 03:50*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*106 %*	*74.1-125*		*05/23/13 03:50*	*BP*	*EPA 624*	

Sample No: **3052776-30**
Sample Description: **Tank 88 257720**

Collect Date: **05/21/13 14:30**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	35000	mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	400	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.56	mg/L		05/22/13 20:43	WPS	EPA 200.7 R4.4	04KS
Zinc	5.3	mg/L		05/22/13 20:43	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	< 100	ug/L		05/23/13 04:16	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*102 %*	*65-134*		*05/23/13 04:16*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*100 %*	*74.2-117*		*05/23/13 04:16*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*111 %*	*74.1-125*		*05/23/13 04:16*	*BP*	*EPA 624*	

Sample No: **3052776-31**
Sample Description: **Tank 87 257721**

Collect Date: **05/21/13 14:41**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	32000	mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052776-31**
Sample Description: **Tank 87 257721**

Collect Date: **05/21/13 14:41**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.9 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	150 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.59 mg/L		05/22/13 20:47	WPS	EPA 200.7 R4.4	04KS
Zinc	4.9 mg/L		05/22/13 20:47	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	100 ug/L		05/23/13 04:41	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*99 % 65-134*		*05/23/13 04:41*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/23/13 04:41*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 % 74.1-125*		*05/23/13 04:41*	*BP*	*EPA 624*	

Sample No: **3052776-32**
Sample Description: **Tank 38 254210**

Collect Date: **05/21/13 14:50**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	73000 mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.3 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	2300 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.0054 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1 mg/L		05/22/13 20:51	WPS	EPA 200.7 R4.4	04KS
Zinc	10 mg/L		05/22/13 20:51	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	210 ug/L		05/23/13 05:07	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*95 % 65-134*		*05/23/13 05:07*	*BP*	*EPA 624*	

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Sample No: **3052776-32**
Sample Description: **Tank 38 254210**

Collect Date: **05/21/13 14:50**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: Toluene-d8	*102 % 74.2-117*		*05/23/13 05:07*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*125 % 74.1-125*		*05/23/13 05:07*	*BP*	*EPA 624*	

Sample No: **3052776-33**
Sample Description: **Tank 175 255741**

Collect Date: **05/21/13 15:01**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	48000 mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	200 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	2.1 mg/L		05/22/13 21:08	WPS	EPA 200.7 R4.4	04KS
Zinc	13 mg/L		05/22/13 21:08	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	920 ug/L		05/23/13 05:33	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*95 % 65-134*		*05/23/13 05:33*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*105 % 74.2-117*		*05/23/13 05:33*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 % 74.1-125*		*05/23/13 05:33*	*BP*	*EPA 624*	

Sample No: **3052776-34**
Sample Description: **Tank 174 239065**

Collect Date: **05/21/13 15:05**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	70000 mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052776-34**
Sample Description: **Tank 174 239065**

Collect Date: **05/21/13 15:05**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	260 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.5 mg/L		05/22/13 21:12	WPS	EPA 200.7 R4.4	04KS
Zinc	18 mg/L		05/22/13 21:12	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	2200 ug/L		05/23/13 05:59	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*93 % 65-134*		*05/23/13 05:59*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 % 74.2-117*		*05/23/13 05:59*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*118 % 74.1-125*		*05/23/13 05:59*	*BP*	*EPA 624*	

Sample No: **3052776-35**
Sample Description: **Tank 173 239364**

Collect Date: **05/21/13 15:14**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	80000 mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	110 mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.9 mg/L		05/22/13 21:16	WPS	EPA 200.7 R4.4	04KS
Zinc	22 mg/L		05/22/13 21:16	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1400 ug/L		05/23/13 06:24	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*91 % 65-134*		*05/23/13 06:24*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3052776-35**
Sample Description: **Tank 173 239364**

Collect Date: **05/21/13 15:14**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*94 %*	*74.2-117*		*05/23/13 06:24*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 %*	*74.1-125*		*05/23/13 06:24*	*BP*	*EPA 624*	

Sample No: **3052776-36**
Sample Description: **Tank 172 23606**

Collect Date: **05/21/13 15:16**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	67000	mg/L		05/22/13 15:40	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/22/13 12:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	92	mg/L		05/22/13 13:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.59	mg/L		05/22/13 21:20	WPS	EPA 200.7 R4.4	04KS
Zinc	14	mg/L		05/22/13 21:20	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	690	ug/L		05/23/13 06:50	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*65-134*		*05/23/13 06:50*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*101 %*	*74.2-117*		*05/23/13 06:50*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*109 %*	*74.1-125*		*05/23/13 06:50*	*BP*	*EPA 624*	

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Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308258 - 04-No Prep WC								
Blank (B308258-BLK1)			Prepared & Analyzed: 05/22/13					
COD	< 100	mg/L						
LCS (B308258-BS1)			Prepared & Analyzed: 05/22/13					
COD	508	mg/L	500.0		102	95-105		
Duplicate (B308258-DUP1)	**Source: 3052776-01**		Prepared & Analyzed: 05/22/13					
COD	29700	mg/L		29900			0.7	20
Batch B308259 - 04-No Prep WC								
Blank (B308259-BLK1)			Prepared & Analyzed: 05/22/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308259-BS1)			Prepared & Analyzed: 05/22/13					
Solids - total suspended solids (TSS)	95.0	mg/L	100.0		95	82.9-110		
Duplicate (B308259-DUP1)	**Source: 3052776-01**		Prepared & Analyzed: 05/22/13					
Solids - total suspended solids (TSS)	34.9	mg/L		35.6			2	5
Duplicate (B308259-DUP2)	**Source: 3052776-02**		Prepared & Analyzed: 05/22/13					
Solids - total suspended solids (TSS)	564	mg/L		562			0.4	5
Batch B308277 - 04-No Prep WC								
Blank (B308277-BLK1)			Prepared & Analyzed: 05/22/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308277-BS1)			Prepared & Analyzed: 05/22/13					
Solids - total suspended solids (TSS)	96.0	mg/L	100.0		96	82.9-110		
Duplicate (B308277-DUP1)	**Source: 3052875-01**		Prepared & Analyzed: 05/22/13					
Solids - total suspended solids (TSS)	29.2	mg/L		28.4			3	5
Duplicate (B308277-DUP2)	**Source: 3052888-01**		Prepared & Analyzed: 05/22/13					
Solids - total suspended solids (TSS)	175	mg/L		170			3	5
Batch B308287 - 04-No Prep WC								
Blank (B308287-BLK1)			Prepared & Analyzed: 05/22/13					
COD	< 200	mg/L						
Blank (B308287-BLK2)			Prepared & Analyzed: 05/22/13					
COD	< 5.0	mg/L						
LCS (B308287-BS1)			Prepared & Analyzed: 05/22/13					
COD	486	mg/L	500.0		97	95-105		
LCS (B308287-BS2)			Prepared & Analyzed: 05/22/13					

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Laboratory Results

General Chemistry - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308287 - 04-No Prep WC									
LCS (B308287-BS2)				Prepared & Analyzed: 05/22/13					
COD		102	mg/L	100.0		102	95-105		
Duplicate (B308287-DUP1)		**Source: 3052776-21**		Prepared & Analyzed: 05/22/13					
COD		70000	mg/L		69100			1	20
Duplicate (B308287-DUP2)		**Source: 3052875-01**		Prepared & Analyzed: 05/22/13					
COD		< 5.0	mg/L		ND				20
Batch B308308 - 04-No Prep WC									
Calibration Check (B308308-CCV1)				Prepared & Analyzed: 05/22/13					
pH		6.99	pH Units	7.000		100	0-200		
Calibration Check (B308308-CCV2)				Prepared & Analyzed: 05/22/13					
pH		6.99	pH Units	7.000		100	0-200		
Calibration Check (B308308-CCV3)				Prepared & Analyzed: 05/22/13					
pH		6.99	pH Units	7.000		100	0-200		
Duplicate (B308308-DUP1)		**Source: 3052776-18**		Prepared & Analyzed: 05/22/13					
pH	H	5.49	pH Units		5.50			0.2	10
Duplicate (B308308-DUP2)		**Source: 3052875-01**		Prepared & Analyzed: 05/22/13					
pH	H	7.79	pH Units		7.78			0.1	10

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308265 - 04-SW 7470A/245.1								
Blank (B308265-BLK1)			Prepared & Analyzed: 05/22/13					
Mercury	< 0.0002	mg/L						
LCS (B308265-BS1)			Prepared & Analyzed: 05/22/13					
Mercury	0.00215	mg/L	0.002000		108	85-115		
Matrix Spike (B308265-MS1)	**Source: 3052776-01**		Prepared & Analyzed: 05/22/13					
Mercury	0.0211	mg/L	0.02000	ND	106	70-130		
Matrix Spike (B308265-MS2)	**Source: 3052776-10**		Prepared & Analyzed: 05/22/13					
Mercury	0.0191	mg/L	0.02000	ND	96	70-130		
Matrix Spike Dup (B308265-MSD1)	**Source: 3052776-01**		Prepared & Analyzed: 05/22/13					
Mercury	0.0212	mg/L	0.02000	ND	106	70-130	0.5	20
Matrix Spike Dup (B308265-MSD2)	**Source: 3052776-10**		Prepared & Analyzed: 05/22/13					

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Total Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308265 - 04-SW 7470A/245.1									
Matrix Spike Dup (B308265-MSD2)		**Source: 3052776-10**		Prepared & Analyzed: 05/22/13					
Mercury		0.0216	mg/L	0.02000	ND	108	70-130	12	20
Batch B308267 - 04 EPA 200.2 R2.8									
Blank (B308267-BLK1)				Prepared & Analyzed: 05/22/13					
Arsenic		< 0.015	mg/L						
Zinc		< 0.010	mg/L						
LCS (B308267-BS1)				Prepared & Analyzed: 05/22/13					
Arsenic		0.0904	mg/L	0.1000		90	85-115		
Zinc		0.106	mg/L	0.1000		106	85-115		
Matrix Spike (B308267-MS1)		**Source: 3052776-01**		Prepared & Analyzed: 05/22/13					
Arsenic		1.39	mg/L	1.000	0.387	101	70-130		
Zinc		4.27	mg/L	1.000	3.23	104	70-130		
Matrix Spike Dup (B308267-MSD1)		**Source: 3052776-01**		Prepared & Analyzed: 05/22/13					
Arsenic		1.46	mg/L	1.000	0.387	107	70-130	4	20
Zinc		4.33	mg/L	1.000	3.23	110	70-130	1	20
Batch B308268 - 04 EPA 200.2 R2.8									
Blank (B308268-BLK1)				Prepared & Analyzed: 05/22/13					
Arsenic		< 0.015	mg/L						
Zinc		< 0.010	mg/L						
LCS (B308268-BS1)				Prepared & Analyzed: 05/22/13					
Arsenic		0.0859	mg/L	0.1000		86	85-115		
Zinc		0.0973	mg/L	0.1000		97	85-115		
Matrix Spike (B308268-MS1)		**Source: 3052776-20**		Prepared & Analyzed: 05/22/13					
Arsenic		1.72	mg/L	1.000	0.683	104	70-130		
Zinc	Q4	11.4	mg/L	1.000	11.3	8	70-130		
Matrix Spike Dup (B308268-MSD1)		**Source: 3052776-20**		Prepared & Analyzed: 05/22/13					
Arsenic		1.95	mg/L	1.000	0.683	126	70-130	12	20
Zinc	Q4	12.1	mg/L	1.000	11.3	78	70-130	6	20
Batch B308312 - 04-SW 7470A/245.1									
Blank (B308312-BLK1)				Prepared & Analyzed: 05/23/13					
Mercury		< 0.0002	mg/L						
LCS (B308312-BS1)				Prepared & Analyzed: 05/23/13					
Mercury		0.00211	mg/L	0.002000		106	85-115		
Matrix Spike (B308312-MS1)		**Source: 3052776-20**		Prepared & Analyzed: 05/23/13					

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Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308312 - 04-SW 7470A/245.1								
Matrix Spike (B308312-MS1)	**Source: 3052776-20**		Prepared & Analyzed: 05/23/13					
Mercury	0.0199	mg/L	0.02000	ND	100	70-130		
Matrix Spike (B308312-MS2)	**Source: 3052776-30**		Prepared & Analyzed: 05/23/13					
Mercury	0.0244	mg/L	0.02000	ND	122	70-130		
Matrix Spike Dup (B308312-MSD1)	**Source: 3052776-20**		Prepared & Analyzed: 05/23/13					
Mercury	0.0203	mg/L	0.02000	ND	102	70-130	2	20
Matrix Spike Dup (B308312-MSD2)	**Source: 3052776-30**		Prepared & Analyzed: 05/23/13					
Mercury	0.0227	mg/L	0.02000	ND	114	70-130	7	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308261 - 04-No Prep VOA								
Blank (B308261-BLK1)			Prepared & Analyzed: 05/22/13					
Benzene	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*30.5*	*ug/L*	*30.00*		*102*	*65-134*		
Surrogate: Toluene-d8	*31.1*	*ug/L*	*30.00*		*104*	*74.2-117*		
Surrogate: Bromofluorobenzene	*30.8*	*ug/L*	*30.00*		*103*	*74.1-125*		
Blank (B308261-BLK2)			Prepared & Analyzed: 05/22/13					
Benzene	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*29.4*	*ug/L*	*30.00*		*98*	*65-134*		
Surrogate: Toluene-d8	*29.9*	*ug/L*	*30.00*		*100*	*74.2-117*		
Surrogate: Bromofluorobenzene	*28.7*	*ug/L*	*30.00*		*96*	*74.1-125*		
LCS (B308261-BS1)			Prepared & Analyzed: 05/22/13					
Benzene	18.9	ug/L	20.00		94	84-114		
Surrogate: 1,2-Dichloroethane-d4	*32.6*	*ug/L*	*30.00*		*109*	*65.3-134*		
Surrogate: Toluene-d8	*30.7*	*ug/L*	*30.00*		*102*	*73.2-119*		
Surrogate: Bromofluorobenzene	*30.4*	*ug/L*	*30.00*		*101*	*77.8-123*		
LCS (B308261-BS2)			Prepared & Analyzed: 05/22/13					
Benzene	17.4	ug/L	20.00		87	84-114		
Surrogate: 1,2-Dichloroethane-d4	*30.7*	*ug/L*	*30.00*		*102*	*65.3-134*		
Surrogate: Toluene-d8	*29.9*	*ug/L*	*30.00*		*100*	*73.2-119*		
Surrogate: Bromofluorobenzene	*30.1*	*ug/L*	*30.00*		*100*	*77.8-123*		
Matrix Spike (B308261-MS1)	**Source: 3052776-01**		Prepared & Analyzed: 05/22/13					
Benzene	1030	ug/L	400.0	626	100	69-126		

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/21/13 16:55
Report Date: 05/28/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308261 - 04-No Prep VOA								
Matrix Spike (B308261-MS1)	**Source: 3052776-01**		Prepared & Analyzed: 05/22/13					
Surrogate: 1,2-Dichloroethane-d4	*30.7*	*ug/L*	*30.00*		*102*	*63.3-137*		
Surrogate: Toluene-d8	*31.3*	*ug/L*	*30.00*		*104*	*71-122*		
Surrogate: Bromofluorobenzene	*34.8*	*ug/L*	*30.00*		*116*	*74.6-123*		
Matrix Spike (B308261-MS2)	**Source: 3052776-19**		Prepared & Analyzed: 05/22/13					
Benzene	820	ug/L	400.0	473	87	69-126		
Surrogate: 1,2-Dichloroethane-d4	*28.8*	*ug/L*	*30.00*		*96*	*63.3-137*		
Surrogate: Toluene-d8	*30.4*	*ug/L*	*30.00*		*101*	*71-122*		
Surrogate: Bromofluorobenzene	*33.0*	*ug/L*	*30.00*		*110*	*74.6-123*		
Matrix Spike Dup (B308261-MSD1)	**Source: 3052776-01**		Prepared & Analyzed: 05/22/13					
Benzene	1020	ug/L	400.0	626	97	69-126	1	40
Surrogate: 1,2-Dichloroethane-d4	*30.4*	*ug/L*	*30.00*		*101*	*63.3-137*		
Surrogate: Toluene-d8	*31.2*	*ug/L*	*30.00*		*104*	*71-122*		
Surrogate: Bromofluorobenzene	*33.3*	*ug/L*	*30.00*		*111*	*74.6-123*		
Matrix Spike Dup (B308261-MSD2)	**Source: 3052776-19**		Prepared & Analyzed: 05/22/13					
Benzene	777	ug/L	400.0	473	76	69-126	5	40
Surrogate: 1,2-Dichloroethane-d4	*29.1*	*ug/L*	*30.00*		*97*	*63.3-137*		
Surrogate: Toluene-d8	*30.0*	*ug/L*	*30.00*		*100*	*71-122*		
Surrogate: Bromofluorobenzene	*32.5*	*ug/L*	*30.00*		*108*	*74.6-123*		

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/21/13 16:55
Report Date: 05/28/13
Customer #: 277310

Laboratory Results

Notes

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

T Surrogate recovery failed to meet the required acceptance criteria in the initial analysis. Sample was re-extracted (if applicalble) and re-analyzed, and the surrogate recovery was outside of the required acceptance criteria on the second analysis also.

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.

H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Certified by: Roxann Shull, Client Services Supervisor

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CHAIN OF CUSTODY RECORD

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State where samples collected MO

(Instructions/Sample Acceptance Policy on Reverse)

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

1

CLIENT: BRIDGETON L.F.
ADDRESS: 13570 ST. CHARLES ROCK ROAD
CITY STATE ZIP: BRIDGETON, MO 63044
CONTACT PERSON: SCOTT C. FEDAK

PROJECT NUMBER:
P.O. NUMBER:
MEANS SHIPPED:
PHONE NUMBER:
FAX NUMBER:
EMAIL ADDRESS:
SAMPLER: SCOTT C. FEDAK
SAMPLER'S SIGNATURE: Scott C. Fedak

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED:

4 (FOR LAB USE ONLY)
LOGIN # 3052776
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	VOCs (624)	Total Metals	COD	pH, TSS	Total Benzene			REMARKS
TANK 64 A1737	5/21/13	0837	X	--	L'CHT	5	X	X	X	X	X			See Attachment
TANK 66 A1236		0916												
TANK 65 A6075		0935												
TANK 68 A5708		0938												
TANK 69 A5872		0952												
TANK 70 256056		1006												
TANK 77 256881		1011												
TANK 78 254453N		1023												
TANK 79 239082		1032												
TANK 80 239785		1035												
TANK 81 251842		1042												
TANK 86 254540		1107												

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/21/13	1620	[signature]	5/21/13	16:20
[signature]	5-21-13	4:55pm	Heather Cearlient	5/21/13	16:55
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	1.6 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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State where samples collected MO

(Instructions/Sample Acceptance Policy on Reverse)

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

1

CLIENT: BRIDGETON L.F.	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 ST. CHARLES ROCK ROAD	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: BRIDGETON, MO 63044	SAMPLER: SCOTT C. FEDAK		
CONTACT PERSON: SCOTT C. FEDAK	SAMPLER'S SIGNATURE: Scott C Fedak		

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN #
LOGGED BY:
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	VOCs (624)	Total Metals	COD	pH, TSS	Total Benzene			REMARKS
TANK 85 259577	5/21/13	1107	X		L'CHT	5								See Attachment
TANK 84 265059		1119												
TANK 83 257239		1129												
TANK 82 239556		1136												
TANK 76 260752		1142												
TANK 75 266356		1146												
TANK 74 239889		1149												
TANK 73 266387		1157												
TANK 72 256554		1204												
TANK 71 255884		1214 SCF												
TANK 94 256234		~~1318~~ 1334												
TANK 95 239118		1318												

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C Fedak	5/21/13	1620	[illegible]	5-21-13	16:20
RELINQUISHED BY: (SIGNATURE)	5-21-13	4:15	RECEIVED BY: Kathleen Carlisle	5/21/13	16:55
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	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
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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State where samples collected MO

(Instructions/Sample Acceptance Policy on Reverse)

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

1	
CLIENT	BRIDGETON L.F.
ADDRESS	13570 ST. CHARLES ROCK ROAD
CITY STATE ZIP	BRIDGETON, MO 63044
CONTACT PERSON	SCOTT C. FEDAK
PROJECT NUMBER	
P.O. NUMBER	
MEANS SHIPPED	
PHONE NUMBER	
FAX NUMBER	
EMAIL ADDRESS	
SAMPLER	SCOTT C. FEDAK
SAMPLER'S SIGNATURE	Scott C. Fedak

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

(FOR LAB USE ONLY) 4
LOGIN #
LOGGED BY:
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	3 ANALYSIS REQUESTED: VOCs (624)	Total Metals	COD	pH, TSS	Total Benzene			REMARKS
TANK 93 255872	5/21/13	1342	X		L'CHT	5	X	X	X	X	X			See Attachment
TANK 92 239587		1357												
TANK 91 256082		1402												
TANK 90 257707		1417												
TANK 89 258606		1426												
TANK 88 257720		1430												
TANK 87 257721		1441												
TANK 38 254210		1450												
TANK 175 255741		1501												
TANK 174 239065		1505												
TANK 173 239304		1514												
TANK 172 239606		1516												

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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/21/13	1620	[illegible]	5-21-13	16:20
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
[illegible]	5-21-13	16:55	Heather Caillaert	5/21/13	16:55
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	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
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	____

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/22/13 15:38
Report Date: 05/29/13
Customer #: 277310

Laboratory Results

Sample No: **3052948-01**
Sample Description: **Tank 167 258623**

Collect Date: **05/21/13 15:37**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	42000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.8	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	37	mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.81	mg/L		05/23/13 13:36	WPS	EPA 200.7 R4.4	04KS
Zinc	3.6	mg/L		05/23/13 13:36	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	890	ug/L	Q2	05/23/13 09:52	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*65-134*		*05/23/13 09:52*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*97 %*	*74.2-117*		*05/23/13 09:52*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*111 %*	*74.1-125*		*05/23/13 09:52*	*BP*	*EPA 624*	

Sample No: **3052948-02**
Sample Description: **Tank 168 265359**

Collect Date: **05/21/13 15:49**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	49000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.6	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	220	mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.0025	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0	mg/L		05/23/13 13:40	WPS	EPA 200.7 R4.4	04KS
Zinc	11	mg/L		05/23/13 13:40	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	1100	ug/L		05/23/13 11:09	BP	EPA 624	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/22/13 15:38
Report Date: 05/29/13
Customer #: 277310

Laboratory Results

Sample No: **3052948-02**
Sample Description: **Tank 168 265359**

Collect Date: **05/21/13 15:49**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: 1,2-Dichloroethane-d4	*96 % 65-134*		*05/23/13 11:09*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*97 % 74.2-117*		*05/23/13 11:09*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*113 % 74.1-125*		*05/23/13 11:09*	*BP*	*EPA 624*	

Sample No: **3052948-03**
Sample Description: **Tank 169 257981**

Collect Date: **05/21/13 16:01**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	44000 mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	85 mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.87 mg/L		05/23/13 13:44	WPS	EPA 200.7 R4.4	04KS
Zinc	5.2 mg/L		05/23/13 13:44	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	730 ug/L		05/23/13 11:35	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*96 % 65-134*		*05/23/13 11:35*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*100 % 74.2-117*		*05/23/13 11:35*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*113 % 74.1-125*		*05/23/13 11:35*	*BP*	*EPA 624*	

Sample No: **3052948-04**
Sample Description: **Tank 170 255925**

Collect Date: **05/21/13 16:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	54000 mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/22/13 15:38
Report Date: 05/29/13
Customer #: 277310

Laboratory Results

Sample No: **3052948-04**
Sample Description: **Tank 170 255925**

Collect Date: **05/21/13 16:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1900 mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.96 mg/L		05/23/13 13:48	WPS	EPA 200.7 R4.4	04KS
Zinc	6.7 mg/L		05/23/13 13:48	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	790 ug/L		05/23/13 12:01	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*102 % 65-134*		*05/23/13 12:01*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/23/13 12:01*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 % 74.1-125*		*05/23/13 12:01*	*BP*	*EPA 624*	

Sample No: **3052948-05**
Sample Description: **Tank 171 239475**

Collect Date: **05/21/13 16:25**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	78000 mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	240 mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1 mg/L		05/23/13 13:53	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L	Q4	05/23/13 13:53	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1100 ug/L		05/23/13 12:27	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*95 % 65-134*		*05/23/13 12:27*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3052948-05**
Sample Description: **Tank 171 239475**

Collect Date: **05/21/13 16:25**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*102 %*	*74.2-117*		*05/23/13 12:27*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*111 %*	*74.1-125*		*05/23/13 12:27*	*BP*	*EPA 624*	

Sample No: **3052948-06**
Sample Description: **Tank 18 259303**

Collect Date: **05/21/13 16:28**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	41000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	220	mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.68	mg/L		05/23/13 14:05	WPS	EPA 200.7 R4.4	04KS
Zinc	4.3	mg/L		05/23/13 14:05	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	560	ug/L		05/23/13 12:54	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 %*	*65-134*		*05/23/13 12:54*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*94 %*	*74.2-117*		*05/23/13 12:54*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*109 %*	*74.1-125*		*05/23/13 12:54*	*BP*	*EPA 624*	

Sample No: **3052948-07**
Sample Description: **Tank 166 256896**

Collect Date: **05/21/13 16:36**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	65000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052948-07**
Sample Description: **Tank 166 256896**

Collect Date: **05/21/13 16:36**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	230 mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.85 mg/L		05/23/13 14:21	WPS	EPA 200.7 R4.4	04KS
Zinc	18 mg/L		05/23/13 14:21	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	660 ug/L		05/23/13 13:19	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*88 % 65-134*		*05/23/13 13:19*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*97 % 74.2-117*		*05/23/13 13:19*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 % 74.1-125*		*05/23/13 13:19*	*BP*	*EPA 624*	

Sample No: **3052948-08**
Sample Description: **Tank 165 256030**

Collect Date: **05/21/13 16:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	68000 mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	100 mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.49 mg/L		05/23/13 14:32	WPS	EPA 200.7 R4.4	04KS
Zinc	17 mg/L		05/23/13 14:32	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	190 ug/L		05/24/13 17:35	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*103 % 65-134*		*05/24/13 17:35*	*BP*	*EPA 624*	

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Sample No: **3052948-08**
Sample Description: **Tank 165 256030**

Collect Date: **05/21/13 16:40**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*106 %*	*74.2-117*		*05/24/13 17:35*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 %*	*74.1-125*		*05/24/13 17:35*	*BP*	*EPA 624*	

Sample No: **3052948-09**
Sample Description: **Tank 164 256058**

Collect Date: **05/21/13 16:44**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	59000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1000	mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.45	mg/L		05/23/13 14:36	WPS	EPA 200.7 R4.4	04KS
Zinc	12	mg/L		05/23/13 14:36	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	250	ug/L		05/24/13 18:01	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*65-134*		*05/24/13 18:01*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 %*	*74.2-117*		*05/24/13 18:01*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*114 %*	*74.1-125*		*05/24/13 18:01*	*BP*	*EPA 624*	

Sample No: **3052948-10**
Sample Description: **Tank 21 A4726**

Collect Date: **05/21/13 16:56**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	64000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-10**
Sample Description: **Tank 21 A4726**

Collect Date: **05/21/13 16:56**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	160 mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.74 mg/L		05/23/13 14:40	WPS	EPA 200.7 R4.4	04KS
Zinc	19 mg/L		05/23/13 14:40	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	590 ug/L		05/24/13 18:26	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*110 % 65-134*		*05/24/13 18:26*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*110 % 74.2-117*		*05/24/13 18:26*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*117 % 74.1-125*		*05/24/13 18:26*	*BP*	*EPA 624*	

Sample No: **3052948-11**
Sample Description: **Tank 162 256885**

Collect Date: **05/21/13 17:05**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	66000 mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1000 mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.0028 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.78 mg/L		05/23/13 14:44	WPS	EPA 200.7 R4.4	04KS
Zinc	15 mg/L		05/23/13 14:44	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	930 ug/L		05/24/13 18:52	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*102 % 65-134*		*05/24/13 18:52*	*BP*	*EPA 624*	

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Sample No: **3052948-11**
Sample Description: **Tank 162 256885**

Collect Date: **05/21/13 17:05**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: Toluene-d8	*104 % 74.2-117*		*05/24/13 18:52*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*115 % 74.1-125*		*05/24/13 18:52*	*BP*	*EPA 624*	

Sample No: **3052948-12**
Sample Description: **Tank 163 256903**

Collect Date: **05/21/13 17:13**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	64000 mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.6 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	190 mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.026 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.89 mg/L		05/23/13 14:49	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L		05/23/13 14:49	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	770 ug/L		05/24/13 19:17	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*109 % 65-134*		*05/24/13 19:17*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*109 % 74.2-117*		*05/24/13 19:17*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*119 % 74.1-125*		*05/24/13 19:17*	*BP*	*EPA 624*	

Sample No: **3052948-13**
Sample Description: **Tank 52 A753**

Collect Date: **05/22/13 07:53**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	69000 mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052948-13**
Sample Description: **Tank 52 A753**

Collect Date: **05/22/13 07:53**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	280 mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.72 mg/L		05/23/13 14:53	WPS	EPA 200.7 R4.4	04KS
Zinc	11 mg/L		05/23/13 14:53	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	160 ug/L		05/24/13 19:43	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*102 % 65-134*		*05/24/13 19:43*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 % 74.2-117*		*05/24/13 19:43*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*113 % 74.1-125*		*05/24/13 19:43*	*BP*	*EPA 624*	

Sample No: **3052948-14**
Sample Description: **Tank 51 A3908**

Collect Date: **05/22/13 08:08**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	79000 mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	310 mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.90 mg/L		05/23/13 14:57	WPS	EPA 200.7 R4.4	04KS
Zinc	10 mg/L		05/23/13 14:57	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	440 ug/L		05/24/13 20:09	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*107 % 65-134*		*05/24/13 20:09*	*BP*	*EPA 624*	

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Sample No: **3052948-14**
Sample Description: **Tank 51 A3908**

Collect Date: **05/22/13 08:08**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*112 %*	*74.2-117*		*05/24/13 20:09*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*123 %*	*74.1-125*		*05/24/13 20:09*	*BP*	*EPA 624*	

Sample No: **3052948-15**
Sample Description: **Tank 53 A4001**

Collect Date: **05/22/13 08:11**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	82000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	75	mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.85	mg/L		05/23/13 15:02	WPS	EPA 200.7 R4.4	04KS
Zinc	10	mg/L		05/23/13 15:02	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	570	ug/L		05/24/13 20:34	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*105 %*	*65-134*		*05/24/13 20:34*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*107 %*	*74.2-117*		*05/24/13 20:34*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*131 %*	*74.1-125*	*T*	*05/24/13 20:34*	*BP*	*EPA 624*	

Sample No: **3052948-16**
Sample Description: **Tank 54 A4723**

Collect Date: **05/22/13 08:23**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	75000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-16**
Sample Description: **Tank 54 A4723**

Collect Date: **05/22/13 08:23**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
pH	5.4	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	200	mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.90	mg/L		05/23/13 15:06	WPS	EPA 200.7 R4.4	04KS
Zinc	10	mg/L		05/23/13 15:06	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	220	ug/L		05/24/13 21:00	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*65-134*		*05/24/13 21:00*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*109 %*	*74.2-117*		*05/24/13 21:00*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*120 %*	*74.1-125*		*05/24/13 21:00*	*BP*	*EPA 624*	

Sample No: **3052948-17**
Sample Description: **Tank 55 A4766**

Collect Date: **05/22/13 08:26**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	81000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	210	mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.96	mg/L		05/23/13 15:22	WPS	EPA 200.7 R4.4	04KS
Zinc	10	mg/L		05/23/13 15:22	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	400	ug/L		05/24/13 21:25	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*65-134*		*05/24/13 21:25*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3052948-17**
Sample Description: **Tank 55 A4766**

Collect Date: **05/22/13 08:26**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*105 %*	*74.2-117*		*05/24/13 21:25*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*124 %*	*74.1-125*		*05/24/13 21:25*	*BP*	*EPA 624*	

Sample No: **3052948-18**
Sample Description: **Tank 56 A5735**

Collect Date: **05/22/13 08:38**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	78000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	320	mg/L		05/23/13 08:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.85	mg/L		05/23/13 15:26	WPS	EPA 200.7 R4.4	04KS
Zinc	10	mg/L		05/23/13 15:26	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	410	ug/L		05/24/13 21:51	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*65-134*		*05/24/13 21:51*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*107 %*	*74.2-117*		*05/24/13 21:51*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*117 %*	*74.1-125*		*05/24/13 21:51*	*BP*	*EPA 624*	

Sample No: **3052948-19**
Sample Description: **Tank 57 A1793**

Collect Date: **05/22/13 08:43**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	76000	mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-19**
Sample Description: **Tank 57 A1793**

Collect Date: **05/22/13 08:43**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	99 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.84 mg/L		05/23/13 15:30	WPS	EPA 200.7 R4.4	04KS
Zinc	10 mg/L		05/23/13 15:30	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	280 ug/L		05/24/13 22:16	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*112 % 65-134*		*05/24/13 22:16*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*111 % 74.2-117*		*05/24/13 22:16*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*116 % 74.1-125*		*05/24/13 22:16*	*BP*	*EPA 624*	

Sample No: **3052948-20**
Sample Description: **Tank 58 A6134**

Collect Date: **05/22/13 08:54**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	82000 mg/L		05/23/13 09:45	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	240 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1 mg/L		05/23/13 15:34	WPS	EPA 200.7 R4.4	04KS
Zinc	12 mg/L		05/23/13 15:34	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	860 ug/L		05/24/13 23:33	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*112 % 65-134*		*05/24/13 23:33*	*BP*	*EPA 624*	

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Sample No: **3052948-20**
Sample Description: **Tank 58 A6134**

Collect Date: **05/22/13 08:54**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*108 %*	*74.2-117*		*05/24/13 23:33*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*129 %*	*74.1-125*	*T*	*05/24/13 23:33*	*BP*	*EPA 624*	

Sample No: **3052948-21**
Sample Description: **Tank 59 A1078**

Collect Date: **05/22/13 08:58**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	84000	mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	260	mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.13	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0	mg/L		05/23/13 15:51	WPS	EPA 200.7 R4.4	04KS
Zinc	11	mg/L		05/23/13 15:51	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	910	ug/L		05/24/13 23:59	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*65-134*		*05/24/13 23:59*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*114 %*	*74.2-117*		*05/24/13 23:59*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*135 %*	*74.1-125*	*T*	*05/24/13 23:59*	*BP*	*EPA 624*	

Sample No: **3052948-22**
Sample Description: **Tank 26 256486**

Collect Date: **05/22/13 09:06**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	82000	mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-22**
Sample Description: **Tank 26 256486**

Collect Date: **05/22/13 09:06**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	240 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.85 mg/L		05/23/13 15:55	WPS	EPA 200.7 R4.4	04KS
Zinc	10 mg/L		05/23/13 15:55	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	450 ug/L		05/25/13 00:25	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*104 % 65-134*		*05/25/13 00:25*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*108 % 74.2-117*		*05/25/13 00:25*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*125 % 74.1-125*		*05/25/13 00:25*	*BP*	*EPA 624*	

Sample No: **3052948-23**
Sample Description: **Tank 27 A1269**

Collect Date: **05/22/13 09:19**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	82000 mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.3 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	230 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.0047 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.98 mg/L		05/23/13 15:59	WPS	EPA 200.7 R4.4	04KS
Zinc	9.8 mg/L		05/23/13 15:59	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	280 ug/L		05/25/13 00:51	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*103 % 65-134*		*05/25/13 00:51*	*BP*	*EPA 624*	

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Sample No: **3052948-23**
Sample Description: **Tank 27 A1269**

Collect Date: **05/22/13 09:19**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*104 %*	*74.2-117*		*05/25/13 00:51*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*124 %*	*74.1-125*		*05/25/13 00:51*	*BP*	*EPA 624*	

Sample No: **3052948-24**
Sample Description: **Tank 25 A695**

Collect Date: **05/22/13 09:25**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	83000	mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.3	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1500	mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.97	mg/L		05/23/13 16:23	WPS	EPA 200.7 R4.4	04KS
Zinc	11	mg/L		05/23/13 16:23	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	310	ug/L		05/25/13 01:16	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*65-134*		*05/25/13 01:16*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*110 %*	*74.2-117*		*05/25/13 01:16*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*122 %*	*74.1-125*		*05/25/13 01:16*	*BP*	*EPA 624*	

Sample No: **3052948-25**
Sample Description: **Tank 22 A5464**

Collect Date: **05/22/13 09:34**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	77000	mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-25**
Sample Description: **Tank 22 A5464**

Collect Date: **05/22/13 09:34**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.3 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	180 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.96 mg/L		05/23/13 16:27	WPS	EPA 200.7 R4.4	04KS
Zinc	10 mg/L		05/23/13 16:27	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	300 ug/L		05/25/13 01:43	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*107 % 65-134*		*05/25/13 01:43*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*107 % 74.2-117*		*05/25/13 01:43*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*117 % 74.1-125*		*05/25/13 01:43*	*BP*	*EPA 624*	

Sample No: **3052948-26**
Sample Description: **Tank 15 A1105**

Collect Date: **05/22/13 09:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	83000 mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.3 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	240 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.77 mg/L		05/23/13 16:31	WPS	EPA 200.7 R4.4	04KS
Zinc	9.6 mg/L		05/23/13 16:31	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	220 ug/L	Q1	05/25/13 03:27	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*106 % 65-134*		*05/25/13 03:27*	*BP*	*EPA 624*	

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Sample No: **3052948-26**
Sample Description: **Tank 15 A1105**

Collect Date: **05/22/13 09:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: Toluene-d8	*107 % 74.2-117*		*05/25/13 03:27*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*114 % 74.1-125*		*05/25/13 03:27*	*BP*	*EPA 624*	

Sample No: **3052948-27**
Sample Description: **Tank 10 239904**

Collect Date: **05/22/13 09:54**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	81000 mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	190 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.0072 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.99 mg/L		05/23/13 16:35	WPS	EPA 200.7 R4.4	04KS
Zinc	10 mg/L		05/23/13 16:35	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	470 ug/L		05/25/13 04:44	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*108 % 65-134*		*05/25/13 04:44*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*109 % 74.2-117*		*05/25/13 04:44*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*125 % 74.1-125*		*05/25/13 04:44*	*BP*	*EPA 624*	

Sample No: **3052948-28**
Sample Description: **Tank 9 239984**

Collect Date: **05/22/13 10:04**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	84000 mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-28**
Sample Description: **Tank 9 239984**

Collect Date: **05/22/13 10:04**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	220 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.84 mg/L		05/23/13 16:39	WPS	EPA 200.7 R4.4	04KS
Zinc	11 mg/L		05/23/13 16:39	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	830 ug/L		05/25/13 05:10	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*109 % 65-134*		*05/25/13 05:10*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*107 % 74.2-117*		*05/25/13 05:10*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*131 % 74.1-125*	*T*	*05/25/13 05:10*	*BP*	*EPA 624*	

Sample No: **3052948-29**
Sample Description: **Tank 8 254892**

Collect Date: **05/22/13 10:12**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	92000 mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1100 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.016 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.2 mg/L		05/23/13 16:44	WPS	EPA 200.7 R4.4	04KS
Zinc	12 mg/L		05/23/13 16:44	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	910 ug/L		05/25/13 05:35	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*107 % 65-134*		*05/25/13 05:35*	*BP*	*EPA 624*	

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Sample No: **3052948-29**
Sample Description: **Tank 8 254892**

Collect Date: **05/22/13 10:12**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*103 %*	*74.2-117*		*05/25/13 05:35*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*113 %*	*74.1-125*		*05/25/13 05:35*	*BP*	*EPA 624*	

Sample No: **3052948-30**
Sample Description: **Tank 23 A698**

Collect Date: **05/22/13 10:18**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	82000	mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.3	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	210	mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1	mg/L		05/23/13 16:48	WPS	EPA 200.7 R4.4	04KS
Zinc	10	mg/L		05/23/13 16:48	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	240	ug/L		05/25/13 06:00	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*65-134*		*05/25/13 06:00*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*110 %*	*74.2-117*		*05/25/13 06:00*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 %*	*74.1-125*		*05/25/13 06:00*	*BP*	*EPA 624*	

Sample No: **3052948-31**
Sample Description: **Tank 24 A1824**

Collect Date: **05/22/13 10:24**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	82000	mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-31**
Sample Description: **Tank 24 A1824**

Collect Date: **05/22/13 10:24**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	920 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.0077 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1 mg/L		05/23/13 16:52	WPS	EPA 200.7 R4.4	04KS
Zinc	11 mg/L		05/23/13 16:52	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	740 ug/L		05/25/13 06:27	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*107 % 65-134*		*05/25/13 06:27*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*109 % 74.2-117*		*05/25/13 06:27*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*133 % 74.1-125*	*T*	*05/25/13 06:27*	*BP*	*EPA 624*	

Sample No: **3052948-32**
Sample Description: **Tank 31 256539**

Collect Date: **05/22/13 10:39**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	76000 mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	350 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.53 mg/L		05/23/13 17:08	WPS	EPA 200.7 R4.4	04KS
Zinc	15 mg/L		05/23/13 17:08	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	310 ug/L		05/25/13 06:51	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 % 65-134*		*05/25/13 06:51*	*BP*	*EPA 624*	

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Sample No: **3052948-32**
Sample Description: **Tank 31 256539**

Collect Date: **05/22/13 10:39**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*110 %*	*74.2-117*		*05/25/13 06:51*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*114 %*	*74.1-125*		*05/25/13 06:51*	*BP*	*EPA 624*	

Sample No: **3052948-33**
Sample Description: **Tank 37 259771**

Collect Date: **05/22/13 10:41**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	61000	mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.7	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	250	mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.45	mg/L		05/23/13 17:12	WPS	EPA 200.7 R4.4	04KS
Zinc	18	mg/L		05/23/13 17:12	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	320	ug/L		05/25/13 07:18	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 %*	*65-134*		*05/25/13 07:18*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*107 %*	*74.2-117*		*05/25/13 07:18*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*111 %*	*74.1-125*		*05/25/13 07:18*	*BP*	*EPA 624*	

Sample No: **3052948-34**
Sample Description: **Tank 158 A4825**

Collect Date: **05/22/13 10:45**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	66000	mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-34**
Sample Description: **Tank 158 A4825**

Collect Date: **05/22/13 10:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	100 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.59 mg/L		05/23/13 17:16	WPS	EPA 200.7 R4.4	04KS
Zinc	10 mg/L		05/23/13 17:16	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	240 ug/L		05/25/13 07:43	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*98 % 65-134*		*05/25/13 07:43*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*109 % 74.2-117*		*05/25/13 07:43*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*116 % 74.1-125*		*05/25/13 07:43*	*BP*	*EPA 624*	

Sample No: **3052948-35**
Sample Description: **Tank 157 A2349**

Collect Date: **05/22/13 10:49**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	59000 mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	220 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.65 mg/L		05/23/13 17:20	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/23/13 17:20	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	270 ug/L		05/25/13 08:10	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*105 % 65-134*		*05/25/13 08:10*	*BP*	*EPA 624*	

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Sample No: **3052948-35**
Sample Description: **Tank 157 A2349**

Collect Date: **05/22/13 10:49**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: Toluene-d8	*109 % 74.2-117*		*05/25/13 08:10*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*113 % 74.1-125*		*05/25/13 08:10*	*BP*	*EPA 624*	

Sample No: **3052948-36**
Sample Description: **Tank 156 A1738**

Collect Date: **05/22/13 10:58**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	79000 mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1600 mg/L		05/23/13 09:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/23/13 12:30	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.85 mg/L		05/23/13 17:24	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/23/13 17:24	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	250 ug/L		05/25/13 08:35	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*109 % 65-134*		*05/25/13 08:35*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*107 % 74.2-117*		*05/25/13 08:35*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 % 74.1-125*		*05/25/13 08:35*	*BP*	*EPA 624*	

Sample No: **3052948-37**
Sample Description: **Tank 155 A1701**

Collect Date: **05/22/13 11:01**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	69000 mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-37**
Sample Description: **Tank 155 A1701**

Collect Date: **05/22/13 11:01**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	77 mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.79 mg/L		05/23/13 17:28	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L		05/23/13 17:28	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	120 ug/L		05/25/13 09:01	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*108 % 65-134*		*05/25/13 09:01*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*112 % 74.2-117*		*05/25/13 09:01*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*111 % 74.1-125*		*05/25/13 09:01*	*BP*	*EPA 624*	

Sample No: **3052948-38**
Sample Description: **Tank 154 A2554**

Collect Date: **05/22/13 11:04**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	54000 mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	710 mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.60 mg/L		05/23/13 17:33	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/23/13 17:33	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	170 ug/L		05/25/13 09:27	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*113 % 65-134*		*05/25/13 09:27*	*BP*	*EPA 624*	

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Sample No: **3052948-38**
Sample Description: **Tank 154 A2554**

Collect Date: **05/22/13 11:04**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*106 %*	*74.2-117*		*05/25/13 09:27*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*114 %*	*74.1-125*		*05/25/13 09:27*	*BP*	*EPA 624*	

Sample No: **3052948-39**
Sample Description: **Tank 153 A3911**

Collect Date: **05/22/13 11:11**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	58000	mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	210	mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.62	mg/L		05/23/13 17:37	WPS	EPA 200.7 R4.4	04KS
Zinc	15	mg/L		05/23/13 17:37	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	220	ug/L		05/25/13 09:53	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*65-134*		*05/25/13 09:53*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*108 %*	*74.2-117*		*05/25/13 09:53*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 %*	*74.1-125*		*05/25/13 09:53*	*BP*	*EPA 624*	

Sample No: **3052948-40**
Sample Description: **Tank 152 A5583IM**

Collect Date: **05/22/13 11:13**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	59000	mg/L		05/23/13 13:00	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-40**
Sample Description: **Tank 152 A5583IM**

Collect Date: **05/22/13 11:13**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	470 mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.57 mg/L		05/23/13 17:41	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L		05/23/13 17:41	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	390 ug/L		05/25/13 10:20	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*109 % 65-134*		*05/25/13 10:20*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*111 % 74.2-117*		*05/25/13 10:20*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*115 % 74.1-125*		*05/25/13 10:20*	*BP*	*EPA 624*	

Sample No: **3052948-41**
Sample Description: **Tank 151 A1117**

Collect Date: **05/22/13 11:17**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	44000 mg/L		05/23/13 15:45	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	46 mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.60 mg/L		05/24/13 13:05	WPS	EPA 200.7 R4.4	04KS
Zinc	11 mg/L		05/24/13 13:05	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	160 ug/L		05/25/13 10:45	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*107 % 65-134*		*05/25/13 10:45*	*BP*	*EPA 624*	

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Sample No: **3052948-41**
Sample Description: **Tank 151 A1117**

Collect Date: **05/22/13 11:17**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*109 %*	*74.2-117*		*05/25/13 10:45*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*113 %*	*74.1-125*		*05/25/13 10:45*	*BP*	*EPA 624*	

Sample No: **3052948-42**
Sample Description: **Tank 150 A770**

Collect Date: **05/22/13 11:20**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	40000	mg/L		05/23/13 15:45	DAW	SM 5220D 18Ed	04KS
pH	5.6	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	370	mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.48	mg/L		05/24/13 13:29	WPS	EPA 200.7 R4.4	04KS
Zinc	10	mg/L		05/24/13 13:29	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	160	ug/L		05/25/13 11:11	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*65-134*		*05/25/13 11:11*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*108 %*	*74.2-117*		*05/25/13 11:11*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*105 %*	*74.1-125*		*05/25/13 11:11*	*BP*	*EPA 624*	

Sample No: **3052948-43**
Sample Description: **Tank 149 A241**

Collect Date: **05/22/13 11:31**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	49000	mg/L		05/23/13 15:45	DAW	SM 5220D 18Ed	04KS

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Sample No: **3052948-43**
Sample Description: **Tank 149 A241**

Collect Date: **05/22/13 11:31**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	400 mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.56 mg/L		05/24/13 13:36	WPS	EPA 200.7 R4.4	04KS
Zinc	12 mg/L		05/24/13 13:36	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	500 ug/L		05/25/13 11:37	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*106 % 65-134*		*05/25/13 11:37*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*106 % 74.2-117*		*05/25/13 11:37*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*107 % 74.1-125*		*05/25/13 11:37*	*BP*	*EPA 624*	

Sample No: **3052948-44**
Sample Description: **Tank 67 A5875**

Collect Date: **05/22/13 12:05**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	69000 mg/L		05/23/13 15:45	DAW	SM 5220D 18Ed	04KS
pH	5.3 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	640 mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.99 mg/L		05/24/13 13:40	WPS	EPA 200.7 R4.4	04KS
Zinc	9.2 mg/L		05/24/13 13:40	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	300 ug/L		05/25/13 12:03	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*108 % 65-134*		*05/25/13 12:03*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3052948-44**
Sample Description: **Tank 67 A5875**

Collect Date: **05/22/13 12:05**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*104 %*	*74.2-117*		*05/25/13 12:03*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*116 %*	*74.1-125*		*05/25/13 12:03*	*BP*	*EPA 624*	

Sample No: **3052948-45**
Sample Description: **Tank 161 255795**

Collect Date: **05/22/13 12:15**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	43000	mg/L		05/23/13 15:45	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	73	mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.58	mg/L		05/24/13 13:44	WPS	EPA 200.7 R4.4	04KS
Zinc	5.4	mg/L		05/24/13 13:44	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	170	ug/L	Q3	05/26/13 18:57	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*92 %*	*65-134*		*05/26/13 18:57*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*97 %*	*74.2-117*		*05/26/13 18:57*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*107 %*	*74.1-125*		*05/26/13 18:57*	*BP*	*EPA 624*	

Sample No: **3052948-46**
Sample Description: **Tank 39 254014**

Collect Date: **05/22/13 12:24**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	10000	mg/L		05/23/13 15:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3052948-46**
Sample Description: **Tank 39 254014**

Collect Date: **05/22/13 12:24**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.9 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	2500 mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.15 mg/L		05/24/13 13:48	WPS	EPA 200.7 R4.4	04KS
Zinc	3.2 mg/L		05/24/13 13:48	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	< 100 ug/L		05/26/13 20:14	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*92 % 65-134*		*05/26/13 20:14*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/26/13 20:14*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*102 % 74.1-125*		*05/26/13 20:14*	*BP*	*EPA 624*	

Sample No: **3052948-47**
Sample Description: **Tank 20 A884**

Collect Date: **05/22/13 12:34**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	4000 mg/L		05/23/13 15:45	DAW	SM 5220D 18Ed	04KS
pH	6.7 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	6700 mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.18 mg/L		05/24/13 13:52	WPS	EPA 200.7 R4.4	04KS
Zinc	0.22 mg/L		05/24/13 13:52	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	< 100 ug/L		05/26/13 20:39	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*95 % 65-134*		*05/26/13 20:39*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3052948-47**
Sample Description: **Tank 20 A884**

Collect Date: **05/22/13 12:34**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/26/13 20:39*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*97 %*	*74.1-125*		*05/26/13 20:39*	*BP*	*EPA 624*	

Sample No: **3052948-48**
Sample Description: **Tank 160 A693**

Collect Date: **05/22/13 12:43**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	12000	mg/L		05/23/13 15:45	DAW	SM 5220D 18Ed	04KS
pH	6.3	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	350	mg/L		05/23/13 14:55	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	< 0.15	mg/L		05/24/13 13:57	WPS	EPA 200.7 R4.4	04KS
Zinc	2.0	mg/L		05/24/13 13:57	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	250	ug/L		05/26/13 21:04	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*91 %*	*65-134*		*05/26/13 21:04*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/26/13 21:04*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*99 %*	*74.1-125*		*05/26/13 21:04*	*BP*	*EPA 624*	

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Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308304 - 04-No Prep WC								
Blank (B308304-BLK1)			Prepared & Analyzed: 05/23/13					
COD	< 100	mg/L						
LCS (B308304-BS1)			Prepared & Analyzed: 05/23/13					
COD	499	mg/L	500.0		100	95-105		
Duplicate (B308304-DUP1)	**Source: 3052948-01**		Prepared & Analyzed: 05/23/13					
COD	42300	mg/L		42100			0.5	20
Batch B308325 - 04-No Prep WC								
Blank (B308325-BLK1)			Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308325-BS1)			Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	95.0	mg/L	100.0		95	82.9-110		
Duplicate (B308325-DUP1)	**Source: 3052899-01**		Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	6.00	mg/L		6.00			0	5
Duplicate (B308325-DUP2)	**Source: 3052899-02**		Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	130	mg/L		124			5	5
Batch B308338 - 04-No Prep WC								
Blank (B308338-BLK1)			Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308338-BS1)			Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	97.0	mg/L	100.0		97	82.9-110		
Duplicate (B308338-DUP1)	**Source: 3052899-03**		Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	2980	mg/L		3040			2	5
Duplicate (B308338-DUP2)	**Source: 3052903-01**		Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	56.8	mg/L		56.4			0.7	5
Batch B308348 - 04-No Prep WC								
Blank (B308348-BLK1)			Prepared & Analyzed: 05/23/13					
COD	< 100	mg/L						
LCS (B308348-BS1)			Prepared & Analyzed: 05/23/13					
COD	514	mg/L	500.0		103	95-105		
Duplicate (B308348-DUP1)	**Source: 3052948-21**		Prepared & Analyzed: 05/23/13					
COD	84200	mg/L		84200			0	20
Batch B308382 - 04-No Prep WC								

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Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308382 - 04-No Prep WC								
Blank (B308382-BLK1)			Prepared & Analyzed: 05/23/13					
COD	< 100	mg/L						
Blank (B308382-BLK2)			Prepared & Analyzed: 05/23/13					
COD	< 5.0	mg/L						
LCS (B308382-BS1)			Prepared & Analyzed: 05/23/13					
COD	512	mg/L	500.0		102	95-105		
LCS (B308382-BS2)			Prepared & Analyzed: 05/23/13					
COD	102	mg/L	100.0		102	95-105		
Duplicate (B308382-DUP1)	**Source: 3052948-41**		Prepared & Analyzed: 05/23/13					
COD	43700	mg/L		43900			0.5	20
Duplicate (B308382-DUP2)	**Source: 3053060-01**		Prepared & Analyzed: 05/23/13					
COD	9.80	mg/L		10.1			3	20
Batch B308394 - 04-No Prep WC								
Blank (B308394-BLK1)			Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308394-BS1)			Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	100	mg/L	100.0		100	82.9-110		
Duplicate (B308394-DUP1)	**Source: 3052981-01**		Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	8.80	mg/L		8.80			0	5
Duplicate (B308394-DUP2)	**Source: 3052981-03**		Prepared & Analyzed: 05/23/13					
Solids - total suspended solids (TSS)	8.40	mg/L		8.40			0	5
Batch B308420 - 04-No Prep WC								
Calibration Check (B308420-CCV1)			Prepared & Analyzed: 05/23/13					
pH	7.00	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV2)			Prepared & Analyzed: 05/23/13					
pH	6.98	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV3)			Prepared & Analyzed: 05/23/13					
pH	6.99	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV4)			Prepared & Analyzed: 05/23/13					
pH	6.99	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV5)			Prepared & Analyzed: 05/23/13					
pH	7.00	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV6)			Prepared & Analyzed: 05/23/13					

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Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308420 - 04-No Prep WC								
Calibration Check (B308420-CCV6)			Prepared & Analyzed: 05/23/13					
pH	6.99	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV7)			Prepared & Analyzed: 05/23/13					
pH	6.99	pH Units	7.000		100	0-200		
Duplicate (B308420-DUP1)	**Source: 3052948-01**		Prepared & Analyzed: 05/23/13					
pH	5.80	pH Units		5.79			0.2	10
Duplicate (B308420-DUP2)	**Source: 3052948-20**		Prepared & Analyzed: 05/23/13					
pH	5.42	pH Units		5.41			0.2	10
Duplicate (B308420-DUP3)	**Source: 3052948-39**		Prepared & Analyzed: 05/23/13					
pH	5.43	pH Units		5.42			0.2	10
Duplicate (B308420-DUP4)	**Source: 3053137-01**		Prepared & Analyzed: 05/23/13					
pH	6.82	pH Units		6.83			0.1	10
Duplicate (B308420-DUP5)	**Source: 3053137-20**		Prepared & Analyzed: 05/23/13					
pH	5.70	pH Units		5.70			0	10

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308331 - 04-SW 7470A/245.1								
Blank (B308331-BLK1)			Prepared & Analyzed: 05/23/13					
Mercury	< 0.0002	mg/L						
LCS (B308331-BS1)			Prepared & Analyzed: 05/23/13					
Mercury	0.00227	mg/L	0.002000		114	85-115		
Matrix Spike (B308331-MS1)	**Source: 3052948-05**		Prepared & Analyzed: 05/23/13					
Mercury	0.0225	mg/L	0.02000	ND	112	70-130		
Matrix Spike (B308331-MS2)	**Source: 3052948-15**		Prepared & Analyzed: 05/23/13					
Mercury	0.0207	mg/L	0.02000	ND	104	70-130		
Matrix Spike Dup (B308331-MSD1)	**Source: 3052948-05**		Prepared & Analyzed: 05/23/13					
Mercury	0.0233	mg/L	0.02000	ND	116	70-130	3	20
Matrix Spike Dup (B308331-MSD2)	**Source: 3052948-15**		Prepared & Analyzed: 05/23/13					
Mercury	0.0221	mg/L	0.02000	ND	110	70-130	7	20
Batch B308332 - 04 EPA 200.2 R2.8								
Blank (B308332-BLK1)			Prepared & Analyzed: 05/23/13					

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Laboratory Results

Total Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308332 - 04 EPA 200.2 R2.8									
Blank (B308332-BLK1)				Prepared & Analyzed: 05/23/13					
Arsenic		< 0.015	mg/L						
Zinc		< 0.010	mg/L						
LCS (B308332-BS1)				Prepared & Analyzed: 05/23/13					
Arsenic		0.0857	mg/L	0.1000		86	85-115		
Zinc		0.102	mg/L	0.1000		102	85-115		
Matrix Spike (B308332-MS1)		**Source: 3052948-05**		Prepared & Analyzed: 05/23/13					
Arsenic		2.24	mg/L	1.000	1.09	115	70-130		
Zinc	Q4	16.0	mg/L	1.000	15.9	12	70-130		
Matrix Spike Dup (B308332-MSD1)		**Source: 3052948-05**		Prepared & Analyzed: 05/23/13					
Arsenic		2.33	mg/L	1.000	1.09	124	70-130	4	20
Zinc	Q4	16.8	mg/L	1.000	15.9	93	70-130	5	20
Batch B308335 - 04 EPA 200.2 R2.8									
Blank (B308335-BLK1)				Prepared & Analyzed: 05/23/13					
Arsenic		< 0.015	mg/L						
Zinc		< 0.010	mg/L						
LCS (B308335-BS1)				Prepared & Analyzed: 05/23/13					
Arsenic		0.0869	mg/L	0.1000		87	85-115		
Zinc		0.0989	mg/L	0.1000		99	85-115		
Matrix Spike (B308335-MS1)		**Source: 3052948-23**		Prepared & Analyzed: 05/23/13					
Arsenic		2.12	mg/L	1.000	0.983	113	70-130		
Zinc		10.8	mg/L	1.000	9.84	96	70-130		
Matrix Spike Dup (B308335-MSD1)		**Source: 3052948-23**		Prepared & Analyzed: 05/23/13					
Arsenic		1.99	mg/L	1.000	0.983	101	70-130	6	20
Zinc		10.7	mg/L	1.000	9.84	84	70-130	1	20
Batch B308340 - 04-SW 7470A/245.1									
Blank (B308340-BLK1)				Prepared & Analyzed: 05/23/13					
Mercury		< 0.0002	mg/L						
LCS (B308340-BS1)				Prepared & Analyzed: 05/23/13					
Mercury		0.00215	mg/L	0.002000		108	85-115		
Matrix Spike (B308340-MS1)		**Source: 3052948-23**		Prepared & Analyzed: 05/23/13					
Mercury		0.0283	mg/L	0.02000	0.00470	118	70-130		
Matrix Spike (B308340-MS2)		**Source: 3052948-35**		Prepared & Analyzed: 05/23/13					
Mercury		0.0203	mg/L	0.02000	ND	102	70-130		

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Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308340 - 04-SW 7470A/245.1								
Matrix Spike Dup (B308340-MSD1)	**Source: 3052948-23**		Prepared & Analyzed: 05/23/13					
Mercury	0.0306	mg/L	0.02000	0.00470	130	70-130	8	20
Matrix Spike Dup (B308340-MSD2)	**Source: 3052948-35**		Prepared & Analyzed: 05/23/13					
Mercury	0.0191	mg/L	0.02000	ND	96	70-130	6	20
Batch B308424 - 04 EPA 200.2 R2.8								
Blank (B308424-BLK1)			Prepared & Analyzed: 05/24/13					
Arsenic	< 0.015	mg/L						
Zinc	< 0.010	mg/L						
LCS (B308424-BS1)			Prepared & Analyzed: 05/24/13					
Arsenic	0.0991	mg/L	0.1000		99	85-115		
Zinc	0.106	mg/L	0.1000		106	85-115		
Matrix Spike (B308424-MS1)	**Source: 3052948-41**		Prepared & Analyzed: 05/24/13					
Arsenic	1.59	mg/L	1.000	0.603	99	70-130		
Zinc	11.9	mg/L	1.000	11.0	87	70-130		
Matrix Spike Dup (B308424-MSD1)	**Source: 3052948-41**		Prepared & Analyzed: 05/24/13					
Arsenic	1.63	mg/L	1.000	0.603	103	70-130	3	20
Zinc	12.3	mg/L	1.000	11.0	127	70-130	3	20
Batch B308427 - 04-SW 7470A/245.1								
Blank (B308427-BLK1)			Prepared & Analyzed: 05/24/13					
Mercury	< 0.0002	mg/L						
LCS (B308427-BS1)			Prepared & Analyzed: 05/24/13					
Mercury	0.00202	mg/L	0.002000		101	85-115		
Matrix Spike (B308427-MS1)	**Source: 3052948-41**		Prepared & Analyzed: 05/24/13					
Mercury	0.0208	mg/L	0.02000	ND	104	70-130		
Matrix Spike (B308427-MS2)	**Source: 3053137-01**		Prepared & Analyzed: 05/24/13					
Mercury	0.0200	mg/L	0.02000	ND	100	70-130		
Matrix Spike Dup (B308427-MSD1)	**Source: 3052948-41**		Prepared & Analyzed: 05/24/13					
Mercury	0.0210	mg/L	0.02000	ND	105	70-130	1	20
Matrix Spike Dup (B308427-MSD2)	**Source: 3053137-01**		Prepared & Analyzed: 05/24/13					
Mercury	0.0210	mg/L	0.02000	ND	105	70-130	5	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

3052948

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/22/13 15:38
Report Date: 05/29/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308294 - 04-No Prep VOA									
Blank (B308294-BLK1)				Prepared: 05/22/13 Analyzed: 05/23/13					
Benzene		< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4		*29.7*	*ug/L*	*30.00*		*99*	*65-134*		
Surrogate: Toluene-d8		*29.5*	*ug/L*	*30.00*		*98*	*74.2-117*		
Surrogate: Bromofluorobenzene		*28.2*	*ug/L*	*30.00*		*94*	*74.1-125*		
LCS (B308294-BS1)				Prepared: 05/22/13 Analyzed: 05/23/13					
Benzene		17.9	ug/L	20.00		90	84-114		
Surrogate: 1,2-Dichloroethane-d4		*29.2*	*ug/L*	*30.00*		*97*	*65.3-134*		
Surrogate: Toluene-d8		*30.0*	*ug/L*	*30.00*		*100*	*73.2-119*		
Surrogate: Bromofluorobenzene		*29.1*	*ug/L*	*30.00*		*97*	*77.8-123*		
Matrix Spike (B308294-MS1)		**Source: 3052948-01**		Prepared: 05/22/13 Analyzed: 05/23/13					
Benzene		1180	ug/L	400.0	893	72	69-126		
Surrogate: 1,2-Dichloroethane-d4		*28.8*	*ug/L*	*30.00*		*96*	*63.3-137*		
Surrogate: Toluene-d8		*30.0*	*ug/L*	*30.00*		*100*	*71-122*		
Surrogate: Bromofluorobenzene		*32.9*	*ug/L*	*30.00*		*110*	*74.6-123*		
Matrix Spike Dup (B308294-MSD1)		**Source: 3052948-01**		Prepared: 05/22/13 Analyzed: 05/23/13					
Benzene	Q2	1160	ug/L	400.0	893	67	69-126	2	40
Surrogate: 1,2-Dichloroethane-d4		*28.2*	*ug/L*	*30.00*		*94*	*63.3-137*		
Surrogate: Toluene-d8		*28.5*	*ug/L*	*30.00*		*95*	*71-122*		
Surrogate: Bromofluorobenzene		*31.5*	*ug/L*	*30.00*		*105*	*74.6-123*		
Batch B308515 - 04-No Prep VOA									
Blank (B308515-BLK1)				Prepared & Analyzed: 05/24/13					
Benzene		< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4		*30.4*	*ug/L*	*30.00*		*101*	*65-134*		
Surrogate: Toluene-d8		*30.5*	*ug/L*	*30.00*		*102*	*74.2-117*		
Surrogate: Bromofluorobenzene		*29.9*	*ug/L*	*30.00*		*100*	*74.1-125*		
Blank (B308515-BLK2)				Prepared: 05/24/13 Analyzed: 05/25/13					
Benzene		< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4		*32.0*	*ug/L*	*30.00*		*107*	*65-134*		
Surrogate: Toluene-d8		*32.5*	*ug/L*	*30.00*		*108*	*74.2-117*		
Surrogate: Bromofluorobenzene		*30.3*	*ug/L*	*30.00*		*101*	*74.1-125*		
LCS (B308515-BS1)				Prepared & Analyzed: 05/24/13					
Benzene		18.7	ug/L	20.00		94	84-114		
Surrogate: 1,2-Dichloroethane-d4		*31.3*	*ug/L*	*30.00*		*104*	*65.3-134*		
Surrogate: Toluene-d8		*31.5*	*ug/L*	*30.00*		*105*	*73.2-119*		
Surrogate: Bromofluorobenzene		*30.2*	*ug/L*	*30.00*		*101*	*77.8-123*		

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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/22/13 15:38
Report Date: 05/29/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308515 - 04-No Prep VOA									
LCS (B308515-BS2)				Prepared: 05/24/13 Analyzed: 05/25/13					
Benzene		19.2	ug/L	20.00		96	84-114		
Surrogate: 1,2-Dichloroethane-d4		*32.9*	*ug/L*	*30.00*		*110*	*65.3-134*		
Surrogate: Toluene-d8		*33.0*	*ug/L*	*30.00*		*110*	*73.2-119*		
Surrogate: Bromofluorobenzene		*30.5*	*ug/L*	*30.00*		*102*	*77.8-123*		
Matrix Spike (B308515-MS1)		**Source: 3052948-19**		Prepared & Analyzed: 05/24/13					
Benzene		579	ug/L	400.0	281	74	69-126		
Surrogate: 1,2-Dichloroethane-d4		*31.4*	*ug/L*	*30.00*		*105*	*63.3-137*		
Surrogate: Toluene-d8		*31.8*	*ug/L*	*30.00*		*106*	*71-122*		
Surrogate: Bromofluorobenzene		*33.4*	*ug/L*	*30.00*		*111*	*74.6-123*		
Matrix Spike (B308515-MS2)		**Source: 3052948-26**		Prepared: 05/24/13 Analyzed: 05/25/13					
Benzene	Q1	735	ug/L	400.0	223	128	69-126		
Surrogate: 1,2-Dichloroethane-d4		*33.1*	*ug/L*	*30.00*		*110*	*63.3-137*		
Surrogate: Toluene-d8		*32.3*	*ug/L*	*30.00*		*108*	*71-122*		
Surrogate: Bromofluorobenzene		*35.1*	*ug/L*	*30.00*		*117*	*74.6-123*		
Matrix Spike Dup (B308515-MSD1)		**Source: 3052948-19**		Prepared & Analyzed: 05/24/13					
Benzene		627	ug/L	400.0	281	86	69-126	8	40
Surrogate: 1,2-Dichloroethane-d4		*31.0*	*ug/L*	*30.00*		*103*	*63.3-137*		
Surrogate: Toluene-d8		*31.8*	*ug/L*	*30.00*		*106*	*71-122*		
Surrogate: Bromofluorobenzene		*35.1*	*ug/L*	*30.00*		*117*	*74.6-123*		
Matrix Spike Dup (B308515-MSD2)		**Source: 3052948-26**		Prepared: 05/24/13 Analyzed: 05/25/13					
Benzene		680	ug/L	400.0	223	114	69-126	8	40
Surrogate: 1,2-Dichloroethane-d4		*32.3*	*ug/L*	*30.00*		*108*	*63.3-137*		
Surrogate: Toluene-d8		*31.8*	*ug/L*	*30.00*		*106*	*71-122*		
Surrogate: Bromofluorobenzene		*34.2*	*ug/L*	*30.00*		*114*	*74.6-123*		
Batch B308522 - 04-No Prep VOA									
Blank (B308522-BLK1)				Prepared & Analyzed: 05/26/13					
Benzene		< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4		*68.7*	*ug/L*	*30.00*		*229*	*65-134*		
Surrogate: Toluene-d8		*69.7*	*ug/L*	*30.00*		*232*	*74.2-117*		
Surrogate: Bromofluorobenzene		*66.0*	*ug/L*	*30.00*		*220*	*74.1-125*		
Blank (B308522-BLK2)				Prepared: 05/26/13 Analyzed: 05/27/13					
Benzene		< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4		*29.1*	*ug/L*	*30.00*		*97*	*65-134*		
Surrogate: Toluene-d8		*29.4*	*ug/L*	*30.00*		*98*	*74.2-117*		
Surrogate: Bromofluorobenzene		*29.4*	*ug/L*	*30.00*		*98*	*74.1-125*		

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/22/13 15:38
Report Date: 05/29/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308522 - 04-No Prep VOA									
LCS (B308522-BS1)				Prepared & Analyzed: 05/26/13					
Benzene		17.2	ug/L	20.00		86	84-114		
Surrogate: 1,2-Dichloroethane-d4		*29.9*	*ug/L*	*30.00*		*100*	*65.3-134*		
Surrogate: Toluene-d8		*29.4*	*ug/L*	*30.00*		*98*	*73.2-119*		
Surrogate: Bromofluorobenzene		*29.8*	*ug/L*	*30.00*		*99*	*77.8-123*		
LCS (B308522-BS2)				Prepared: 05/26/13 Analyzed: 05/27/13					
Benzene		17.5	ug/L	20.00		88	84-114		
Surrogate: 1,2-Dichloroethane-d4		*30.2*	*ug/L*	*30.00*		*101*	*65.3-134*		
Surrogate: Toluene-d8		*30.2*	*ug/L*	*30.00*		*101*	*73.2-119*		
Surrogate: Bromofluorobenzene		*28.6*	*ug/L*	*30.00*		*95*	*77.8-123*		
Matrix Spike (B308522-MS1)		**Source: 3052948-45**		Prepared & Analyzed: 05/26/13					
Benzene	Q3	416	ug/L	400.0	166	62	69-126		
Surrogate: 1,2-Dichloroethane-d4		*29.2*	*ug/L*	*30.00*		*97*	*63.3-137*		
Surrogate: Toluene-d8		*30.2*	*ug/L*	*30.00*		*101*	*71-122*		
Surrogate: Bromofluorobenzene		*31.7*	*ug/L*	*30.00*		*106*	*74.6-123*		
Matrix Spike (B308522-MS2)		**Source: 3053137-12**		Prepared: 05/26/13 Analyzed: 05/27/13					
Benzene	Q1	1950	ug/L	400.0	1700	63	69-126		
Surrogate: 1,2-Dichloroethane-d4		*27.6*	*ug/L*	*30.00*		*92*	*63.3-137*		
Surrogate: Toluene-d8		*29.1*	*ug/L*	*30.00*		*97*	*71-122*		
Surrogate: Bromofluorobenzene		*31.8*	*ug/L*	*30.00*		*106*	*74.6-123*		
Matrix Spike Dup (B308522-MSD1)		**Source: 3052948-45**		Prepared & Analyzed: 05/26/13					
Benzene	Q3	392	ug/L	400.0	166	57	69-126	6	40
Surrogate: 1,2-Dichloroethane-d4		*30.4*	*ug/L*	*30.00*		*101*	*63.3-137*		
Surrogate: Toluene-d8		*30.0*	*ug/L*	*30.00*		*100*	*71-122*		
Surrogate: Bromofluorobenzene		*31.8*	*ug/L*	*30.00*		*106*	*74.6-123*		

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Laboratory Results

Notes

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

T Surrogate recovery failed to meet the required acceptance criteria in the initial analysis. Sample was re-extracted (if applicalble) and re-analyzed, and the surrogate recovery was outside of the required acceptance criteria on the second analysis also.
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.
Q3 MS/MSD both failed %R
Q2 MSD failed %R
Q1 MS Failed %R
H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Roxann Shull

Certified by: Roxann Shull, Client Services Supervisor

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CHAIN OF CUSTODY RECORD

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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: BRIDGETON L.F.	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 ST. CHARLES ROCK ROAD	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: BRIDGETON, MO 63044	SAMPLER: SCOTT C. FEDAK		
CONTACT PERSON: SCOTT C. FEDAK	SAMPLER'S SIGNATURE: Scott C. Fedak		

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 3052948
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD	Total Metals	pH	TSS	Total Benzene			REMARKS
TANK 167 258623	5/21/13	1537	X	--	L'CHT	5	X	X	X	X	X			See Attachment
TANK 168 265359		1549												
TANK 169 257981		1601												
TANK 170 255925		1615												
TANK 171 239475		1625												
TANK 18 259303		1628												
TANK 166 256896		1636												
TANK 165 256030		1640												
TANK 164 256058		1644												
TANK 21 A4726		1656												
TANK 162 256885		1705												
TANK 163 256903		1713												

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 _____
RESULTS BY: (E-MAIL) FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C Fedak	5/22/13	1318	[signature]	5-22-13	13:18
[signature]	5/22/13	14:00	Heather Lechart	5/22/13	14:00
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	2.3 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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CHAIN OF CUSTODY RECORD

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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: BRIDGETON C.F. (BLF)	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 ST. CHARLES ROCK ROAD	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: BRIDGETON, MO 63044	SAMPLER: SCOTT C. FEDAK		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, NAL-NONAQUEOUS, SOIL-SOILS
CONTACT PERSON: SCOTT C. FEDAK	SAMPLER'S SIGNATURE: Scott C. Fedak		

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN #
LOGGED BY:
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD	Total Metals	pH	TSS	Total Benzene			REMARKS
TANK 52 A753	5/22/13	0753	X		L'CHT	5								See Attachment
TANK 51 A3908		~~0808~~												
TANK 53 A4001		0811												
TANK 54 A4723		0823												
TANK 55 A4766		0826												
TANK 56 A5738		0838												
TANK 57 A1793		0843												
TANK 58 A6134		0854												
TANK 59 A1078		0858												
TANK 26 256486		0906												
TANK 27 A1269		0919												
TANK 25 A695		0925												

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/22/13	1318	[illegible]	5-22-13	13:18
[illegible]	5/22/13	14:00	Heather Earhart	5/22/13	14:00
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	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
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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CHAIN OF CUSTODY RECORD

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State where samples collected MO

(Instructions/Sample Acceptance Policy on Reverse)

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

1

CLIENT: BRIDGETON L.F. (BLF)	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 ST. CHARLES ROCK ROAD	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: BRIDGETON, MO 63044	SAMPLER: SCOTT C. FEDAK		
CONTACT PERSON: SCOTT C. FEDAK	SAMPLER'S SIGNATURE: Scott C. Fedak		

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN #
LOGGED BY:
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD	Total Metals	pH	TSS	Total Benzene			REMARKS
TANK 22 A5464	5/22/13	0934	X		L'CHT	5	X	X	X	X	X			See Attachment
TANK 15 A1105		0945												
TANK 10 239904	SCF	0954	~~1004~~											
TANK 9 239984	SCF	1004	~~1012~~											
TANK 8 254892	SCF	1012	~~1018~~											
TANK 23 A698	SCF	1018	~~1024~~											
TANK 24 A1824		1024												
TANK 31 256539		1039												
TANK 37 259771		1041												
TANK 158 A4825		1045												
TANK 157 A2349		1049												
TANK 156 A1738		1058												

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/22/13	1318	[illegible]	5-22-13	13:18
[illegible]	5/22/13	14:00	Heather Gallant	5/22/13	14:00
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	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
SAMPLES(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	

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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: BRINGETON L.F. (BLF)	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 ST. CHARLES ROCK ROAD	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: BRIDGETON, MO 63044	SAMPLER: SCOTT C. FEDAK		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, NAL-NONAQUEOUS, SOIL-SOILS
CONTACT PERSON: SCOTT C. FEDAK	SAMPLER'S SIGNATURE: Scott C Fedak		

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN #
LOGGED BY:
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD	Total Metals	pH	TSS	Total Benzene (624)			REMARKS
TANK 155 A1701	5/22/13	1101	X		L'CHT	5	X	X	X	X	X			
TANK 154 A2554		1104												
TANK 153 A3911		1111												
TANK 152 A5583IM		1113												
TANK 151 A1117		1117												
TANK 150 A770		1124												
TANK 149 A241		1131												
TANK 67 A5875		1205												
TANK 161 255795		1215												
TANK 39 254014		1224												
TANK 20 A884		1234												
TANK 160 A693		1243												

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C Fedak	5/22/13	1318	[illegible]	5-22-13	13:18
[illegible]	5/22/13	14:00	Heather Gallant	5/22/13	14:00
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	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
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	____

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/23/13 15:15
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Sample No: **3053137-01**
Sample Description: **Tank 159 256433**

Collect Date: **05/22/13 12:53**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	1100	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	6.8	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	20	mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.17	mg/L		05/24/13 14:01	WPS	EPA 200.7 R4.4	04KS
Zinc	< 0.10	mg/L		05/24/13 14:01	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	< 100	ug/L		05/26/13 21:30	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*98 %*	*65-134*		*05/26/13 21:30*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 %*	*74.2-117*		*05/26/13 21:30*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*95 %*	*74.1-125*		*05/26/13 21:30*	*BP*	*EPA 624*	

Sample No: **3053137-02**
Sample Description: **Tank 176 SV29956L**

Collect Date: **05/22/13 13:16**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	76000	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	850	mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.0088	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0	mg/L		05/24/13 14:17	WPS	EPA 200.7 R4.4	04KS
Zinc	33	mg/L		05/24/13 14:17	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	840	ug/L		05/26/13 21:56	BP	EPA 624	04KS

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/23/13 15:15
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Sample No: **3053137-02**
Sample Description: **Tank 176 SV29956L**

Collect Date: **05/22/13 13:16**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: 1,2-Dichloroethane-d4	*96 % 65-134*		*05/26/13 21:56*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*101 % 74.2-117*		*05/26/13 21:56*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*118 % 74.1-125*		*05/26/13 21:56*	*BP*	*EPA 624*	

Sample No: **3053137-03**
Sample Description: **Tank 142 A511**

Collect Date: **05/22/13 13:51**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	72000 mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	220 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.81 mg/L		05/24/13 14:21	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L		05/24/13 14:21	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	270 ug/L		05/26/13 22:21	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*95 % 65-134*		*05/26/13 22:21*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*100 % 74.2-117*		*05/26/13 22:21*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*107 % 74.1-125*		*05/26/13 22:21*	*BP*	*EPA 624*	

Sample No: **3053137-04**
Sample Description: **Tank 141 259178**

Collect Date: **05/22/13 13:58**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	68000 mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS

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Customer #: 277310

Laboratory Results

Sample No: **3053137-04**
Sample Description: **Tank 141 259178**

Collect Date: **05/22/13 13:58**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	180 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.63 mg/L		05/24/13 14:25	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L		05/24/13 14:25	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	600 ug/L		05/26/13 22:47	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*92 % 65-134*		*05/26/13 22:47*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 % 74.2-117*		*05/26/13 22:47*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 % 74.1-125*		*05/26/13 22:47*	*BP*	*EPA 624*	

Sample No: **3053137-05**
Sample Description: **Tank 140 259551**

Collect Date: **05/22/13 14:01**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	63000 mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	290 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.98 mg/L		05/24/13 14:29	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/24/13 14:29	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1600 ug/L		05/26/13 23:12	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*94 % 65-134*		*05/26/13 23:12*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3053137-05**
Sample Description: **Tank 140 259551**

Collect Date: **05/22/13 14:01**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*98 %*	*74.2-117*		*05/26/13 23:12*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*111 %*	*74.1-125*		*05/26/13 23:12*	*BP*	*EPA 624*	

Sample No: **3053137-06**
Sample Description: **Tank 139 251844**

Collect Date: **05/22/13 14:04**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	69000	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	160	mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.74	mg/L		05/24/13 14:33	WPS	EPA 200.7 R4.4	04KS
Zinc	16	mg/L		05/24/13 14:33	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	550	ug/L		05/26/13 23:38	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*93 %*	*65-134*		*05/26/13 23:38*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*100 %*	*74.2-117*		*05/26/13 23:38*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 %*	*74.1-125*		*05/26/13 23:38*	*BP*	*EPA 624*	

Sample No: **3053137-07**
Sample Description: **Tank 138 258770**

Collect Date: **05/22/13 14:10**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	69000	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS

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Customer #: 277310

Laboratory Results

Sample No: **3053137-07**
Sample Description: **Tank 138 258770**

Collect Date: **05/22/13 14:10**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	330 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.95 mg/L		05/24/13 14:37	WPS	EPA 200.7 R4.4	04KS
Zinc	12 mg/L		05/24/13 14:37	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1300 ug/L		05/27/13 00:04	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 % 65-134*		*05/27/13 00:04*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*102 % 74.2-117*		*05/27/13 00:04*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 % 74.1-125*		*05/27/13 00:04*	*BP*	*EPA 624*	

Sample No: **3053137-08**
Sample Description: **Tank 137 256442**

Collect Date: **05/22/13 14:22**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	68000 mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.6 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	280 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.5 mg/L		05/24/13 14:54	WPS	EPA 200.7 R4.4	04KS
Zinc	9.5 mg/L		05/24/13 14:54	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	5100 ug/L		05/30/13 01:37	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*113 % 65-134*		*05/30/13 01:37*	*BP*	*EPA 624*	

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Date Received: 05/23/13 15:15
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Sample No: **3053137-08**
Sample Description: **Tank 137 256442**

Collect Date: **05/22/13 14:22**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: Toluene-d8	*105 % 74.2-117*		*05/30/13 01:37*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*111 % 74.1-125*		*05/30/13 01:37*	*BP*	*EPA 624*	

Sample No: **3053137-09**
Sample Description: **Tank 136 239860**

Collect Date: **05/22/13 14:30**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	66000 mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.7 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	330 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1 mg/L		05/24/13 14:58	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/24/13 14:58	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1600 ug/L		05/27/13 00:55	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*102 % 65-134*		*05/27/13 00:55*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*108 % 74.2-117*		*05/27/13 00:55*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*118 % 74.1-125*		*05/27/13 00:55*	*BP*	*EPA 624*	

Sample No: **3053137-10**
Sample Description: **Tank 135 252628**

Collect Date: **05/22/13 14:38**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	62000 mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS

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Date Received: 05/23/13 15:15
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Sample No: **3053137-10**
Sample Description: **Tank 135 252628**

Collect Date: **05/22/13 14:38**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1000 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0 mg/L		05/24/13 15:02	WPS	EPA 200.7 R4.4	04KS
Zinc	12 mg/L		05/24/13 15:02	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1900 ug/L		05/27/13 01:21	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*99 % 65-134*		*05/27/13 01:21*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/27/13 01:21*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 % 74.1-125*		*05/27/13 01:21*	*BP*	*EPA 624*	

Sample No: **3053137-11**
Sample Description: **Tank 134 255222**

Collect Date: **05/22/13 14:42**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	66000 mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	210 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.86 mg/L		05/24/13 15:06	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/24/13 15:06	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1900 ug/L		05/27/13 01:47	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*99 % 65-134*		*05/27/13 01:47*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3053137-11**
Sample Description: **Tank 134 255222**

Collect Date: **05/22/13 14:42**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*104 %*	*74.2-117*		*05/27/13 01:47*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*115 %*	*74.1-125*		*05/27/13 01:47*	*BP*	*EPA 624*	

Sample No: **3053137-12**
Sample Description: **Tank 133 239605**

Collect Date: **05/22/13 14:55**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	67000	mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.6	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	250	mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0	mg/L		05/24/13 15:23	WPS	EPA 200.7 R4.4	04KS
Zinc	14	mg/L		05/24/13 15:23	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	1700	ug/L	Q1	05/27/13 03:29	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*65-134*		*05/27/13 03:29*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/27/13 03:29*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*118 %*	*74.1-125*		*05/27/13 03:29*	*BP*	*EPA 624*	

Sample No: **3053137-13**
Sample Description: **Tank 132 259868**

Collect Date: **05/22/13 15:08**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	96000	mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS

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Sample No: **3053137-13**
Sample Description: **Tank 132 259868**

Collect Date: **05/22/13 15:08**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	260 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.2 mg/L		05/24/13 15:42	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L	Q4	05/24/13 15:42	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1700 ug/L		05/27/13 04:20	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*99 % 65-134*		*05/27/13 04:20*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*97 % 74.2-117*		*05/27/13 04:20*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*109 % 74.1-125*		*05/27/13 04:20*	*BP*	*EPA 624*	

Sample No: **3053137-14**
Sample Description: **Tank 131 239641**

Collect Date: **05/22/13 15:11**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	83000 mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	630 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.75 mg/L		05/24/13 15:54	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L		05/24/13 15:54	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	920 ug/L		05/27/13 04:47	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*90 % 65-134*		*05/27/13 04:47*	*BP*	*EPA 624*	

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Sample No: **3053137-14**
Sample Description: **Tank 131 239641**

Collect Date: **05/22/13 15:11**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*104 %*	*74.2-117*		*05/27/13 04:47*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 %*	*74.1-125*		*05/27/13 04:47*	*BP*	*EPA 624*	

Sample No: **3053137-15**
Sample Description: **Tank 130 238959**

Collect Date: **05/22/13 15:19**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	81000	mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	270	mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.58	mg/L		05/24/13 15:58	WPS	EPA 200.7 R4.4	04KS
Zinc	15	mg/L		05/24/13 15:58	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	970	ug/L		05/27/13 05:13	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 %*	*65-134*		*05/27/13 05:13*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*101 %*	*74.2-117*		*05/27/13 05:13*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 %*	*74.1-125*		*05/27/13 05:13*	*BP*	*EPA 624*	

Sample No: **3053137-16**
Sample Description: **Tank 129 239955**

Collect Date: **05/22/13 15:25**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	56000	mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS

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Sample No: **3053137-16**
Sample Description: **Tank 129 239955**

Collect Date: **05/22/13 15:25**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	200 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.38 mg/L		05/24/13 16:02	WPS	EPA 200.7 R4.4	04KS
Zinc	15 mg/L		05/24/13 16:02	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	690 ug/L		05/27/13 05:39	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*95 % 65-134*		*05/27/13 05:39*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*97 % 74.2-117*		*05/27/13 05:39*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*107 % 74.1-125*		*05/27/13 05:39*	*BP*	*EPA 624*	

Sample No: **3053137-17**
Sample Description: **Tank 126 265749**

Collect Date: **05/22/13 15:29**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	56000 mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	170 mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.49 mg/L		05/24/13 16:19	WPS	EPA 200.7 R4.4	04KS
Zinc	8.8 mg/L		05/24/13 16:19	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1000 ug/L		05/27/13 06:04	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*99 % 65-134*		*05/27/13 06:04*	*BP*	*EPA 624*	

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Sample No: **3053137-17**
Sample Description: **Tank 126 265749**

Collect Date: **05/22/13 15:29**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*104 %*	*74.2-117*		*05/27/13 06:04*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 %*	*74.1-125*		*05/27/13 06:04*	*BP*	*EPA 624*	

Sample No: **3053137-18**
Sample Description: **Tank 125 256464**

Collect Date: **05/22/13 15:34**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	61000	mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	330	mg/L		05/24/13 10:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.95	mg/L		05/24/13 16:23	WPS	EPA 200.7 R4.4	04KS
Zinc	9.4	mg/L		05/24/13 16:23	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	1900	ug/L		05/27/13 06:29	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*89 %*	*65-134*		*05/27/13 06:29*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*96 %*	*74.2-117*		*05/27/13 06:29*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 %*	*74.1-125*		*05/27/13 06:29*	*BP*	*EPA 624*	

Sample No: **3053137-19**
Sample Description: **Tank 143 239445**

Collect Date: **05/22/13 15:45**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	55000	mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS

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Sample No: **3053137-19**
Sample Description: **Tank 143 239445**

Collect Date: **05/22/13 15:45**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.8 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	300 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.53 mg/L		05/24/13 16:27	WPS	EPA 200.7 R4.4	04KS
Zinc	12 mg/L		05/24/13 16:27	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	610 ug/L		05/27/13 06:55	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*93 % 65-134*		*05/27/13 06:55*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/27/13 06:55*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*109 % 74.1-125*		*05/27/13 06:55*	*BP*	*EPA 624*	

Sample No: **3053137-20**
Sample Description: **Tank 144 238715**

Collect Date: **05/22/13 15:55**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	70000 mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.7 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	360 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.2 mg/L		05/24/13 16:31	WPS	EPA 200.7 R4.4	04KS
Zinc	7.2 mg/L		05/24/13 16:31	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	920 ug/L		05/27/13 07:21	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*102 % 65-134*		*05/27/13 07:21*	*BP*	*EPA 624*	

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Sample No: **3053137-20**
Sample Description: **Tank 144 238715**

Collect Date: **05/22/13 15:55**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*100 %*	*74.2-117*		*05/27/13 07:21*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 %*	*74.1-125*		*05/27/13 07:21*	*BP*	*EPA 624*	

Sample No: **3053137-21**
Sample Description: **Tank 145 259724**

Collect Date: **05/22/13 16:04**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	66000	mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.6	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	160	mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.75	mg/L		05/24/13 16:35	WPS	EPA 200.7 R4.4	04KS
Zinc	9.5	mg/L		05/24/13 16:35	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	1200	ug/L		05/27/13 07:47	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*95 %*	*65-134*		*05/27/13 07:47*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*98 %*	*74.2-117*		*05/27/13 07:47*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 %*	*74.1-125*		*05/27/13 07:47*	*BP*	*EPA 624*	

Sample No: **3053137-22**
Sample Description: **Tank 146 265302**

Collect Date: **05/22/13 16:12**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	70000	mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS

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Sample No: **3053137-22**
Sample Description: **Tank 146 265302**

Collect Date: **05/22/13 16:12**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	300 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.69 mg/L		05/24/13 16:39	WPS	EPA 200.7 R4.4	04KS
Zinc	9.5 mg/L		05/24/13 16:39	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	860 ug/L		05/27/13 08:13	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*96 % 65-134*		*05/27/13 08:13*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*102 % 74.2-117*		*05/27/13 08:13*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*109 % 74.1-125*		*05/27/13 08:13*	*BP*	*EPA 624*	

Sample No: **3053137-23**
Sample Description: **Tank 147 259720**

Collect Date: **05/22/13 16:20**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	68000 mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.6 pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	270 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.66 mg/L		05/24/13 16:43	WPS	EPA 200.7 R4.4	04KS
Zinc	9.6 mg/L		05/24/13 16:43	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1000 ug/L		05/27/13 09:04	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*93 % 65-134*		*05/27/13 09:04*	*BP*	*EPA 624*	

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Sample No: **3053137-23**
Sample Description: **Tank 147 259720**

Collect Date: **05/22/13 16:20**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*102 %*	*74.2-117*		*05/27/13 09:04*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 %*	*74.1-125*		*05/27/13 09:04*	*BP*	*EPA 624*	

Sample No: **3053137-24**
Sample Description: **Tank 148 254537**

Collect Date: **05/22/13 16:27**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	70000	mg/L		05/24/13 16:30	DAW	SM 5220D 18Ed	04KS
pH	5.6	pH Units	H	05/23/13 16:00	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	170	mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.64	mg/L		05/24/13 16:47	WPS	EPA 200.7 R4.4	04KS
Zinc	12	mg/L		05/24/13 16:47	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	750	ug/L		05/27/13 09:30	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*99 %*	*65-134*		*05/27/13 09:30*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*101 %*	*74.2-117*		*05/27/13 09:30*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*107 %*	*74.1-125*		*05/27/13 09:30*	*BP*	*EPA 624*	

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/23/13 15:15
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308420 - 04-No Prep WC								
Calibration Check (B308420-CCV1)			Prepared & Analyzed: 05/23/13					
pH	7.00	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV2)			Prepared & Analyzed: 05/23/13					
pH	6.98	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV3)			Prepared & Analyzed: 05/23/13					
pH	6.99	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV4)			Prepared & Analyzed: 05/23/13					
pH	6.99	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV5)			Prepared & Analyzed: 05/23/13					
pH	7.00	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV6)			Prepared & Analyzed: 05/23/13					
pH	6.99	pH Units	7.000		100	0-200		
Calibration Check (B308420-CCV7)			Prepared & Analyzed: 05/23/13					
pH	6.99	pH Units	7.000		100	0-200		
Duplicate (B308420-DUP1)	**Source: 3052948-01**		Prepared & Analyzed: 05/23/13					
pH	5.80	pH Units		5.79			0.2	10
Duplicate (B308420-DUP2)	**Source: 3052948-20**		Prepared & Analyzed: 05/23/13					
pH	5.42	pH Units		5.41			0.2	10
Duplicate (B308420-DUP3)	**Source: 3052948-39**		Prepared & Analyzed: 05/23/13					
pH	5.43	pH Units		5.42			0.2	10
Duplicate (B308420-DUP4)	**Source: 3053137-01**		Prepared & Analyzed: 05/23/13					
pH	6.82	pH Units		6.83			0.1	10
Duplicate (B308420-DUP5)	**Source: 3053137-20**		Prepared & Analyzed: 05/23/13					
pH	5.70	pH Units		5.70			0	10
Batch B308450 - 04-No Prep WC								
Blank (B308450-BLK1)			Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308450-BS1)			Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	97.0	mg/L	100.0		97	82.9-110		
Duplicate (B308450-DUP1)	**Source: 3052990-01**		Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	160	mg/L		158			1	5
Duplicate (B308450-DUP2)	**Source: 3052990-02**		Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	2.00	mg/L		2.40			18	5

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Attn: Dan Feezor

Date Received: 05/23/13 15:15
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Customer #: 277310

Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308456 - 04-No Prep WC								
Blank (B308456-BLK1)			Prepared & Analyzed: 05/24/13					
COD	< 100	mg/L						
LCS (B308456-BS1)			Prepared & Analyzed: 05/24/13					
COD	510	mg/L	500.0		102	95-105		
Duplicate (B308456-DUP1)	**Source: 3053172-21**		Prepared & Analyzed: 05/24/13					
COD	80700	mg/L		80700			0	20
Batch B308474 - 04-No Prep WC								
Blank (B308474-BLK1)			Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308474-BS1)			Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	105	mg/L	100.0		105	82.9-110		
Duplicate (B308474-DUP1)	**Source: 3052990-03**		Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	4880	mg/L		4780			2	5
Duplicate (B308474-DUP2)	**Source: 3052991-01**		Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	12.4	mg/L		12.8			3	5
Batch B308485 - 04-No Prep WC								
Blank (B308485-BLK1)			Prepared & Analyzed: 05/24/13					
COD	< 100	mg/L						
LCS (B308485-BS1)			Prepared & Analyzed: 05/24/13					
COD	508	mg/L	500.0		102	95-105		
Duplicate (B308485-DUP1)	**Source: 3053137-08**		Prepared & Analyzed: 05/24/13					
COD	67000	mg/L		67900			1	20

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308424 - 04 EPA 200.2 R2.8								
Blank (B308424-BLK1)			Prepared & Analyzed: 05/24/13					
Arsenic	< 0.015	mg/L						
Zinc	< 0.010	mg/L						
LCS (B308424-BS1)			Prepared & Analyzed: 05/24/13					
Arsenic	0.0991	mg/L	0.1000		99	85-115		
Zinc	0.106	mg/L	0.1000		106	85-115		

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Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308424 - 04 EPA 200.2 R2.8								
Matrix Spike (B308424-MS1)	**Source: 3052948-41**		Prepared & Analyzed: 05/24/13					
Arsenic	1.59	mg/L	1.000	0.603	99	70-130		
Zinc	11.9	mg/L	1.000	11.0	87	70-130		
Matrix Spike Dup (B308424-MSD1)	**Source: 3052948-41**		Prepared & Analyzed: 05/24/13					
Arsenic	1.63	mg/L	1.000	0.603	103	70-130	3	20
Zinc	12.3	mg/L	1.000	11.0	127	70-130	3	20
Batch B308427 - 04-SW 7470A/245.1								
Blank (B308427-BLK1)			Prepared & Analyzed: 05/24/13					
Mercury	< 0.0002	mg/L						
LCS (B308427-BS1)			Prepared & Analyzed: 05/24/13					
Mercury	0.00202	mg/L	0.002000		101	85-115		
Matrix Spike (B308427-MS1)	**Source: 3052948-41**		Prepared & Analyzed: 05/24/13					
Mercury	0.0208	mg/L	0.02000	ND	104	70-130		
Matrix Spike (B308427-MS2)	**Source: 3053137-01**		Prepared & Analyzed: 05/24/13					
Mercury	0.0200	mg/L	0.02000	ND	100	70-130		
Matrix Spike Dup (B308427-MSD1)	**Source: 3052948-41**		Prepared & Analyzed: 05/24/13					
Mercury	0.0210	mg/L	0.02000	ND	105	70-130	1	20
Matrix Spike Dup (B308427-MSD2)	**Source: 3053137-01**		Prepared & Analyzed: 05/24/13					
Mercury	0.0210	mg/L	0.02000	ND	105	70-130	5	20
Batch B308439 - 04-SW 7470A/245.1								
Blank (B308439-BLK1)			Prepared & Analyzed: 05/24/13					
Mercury	< 0.0002	mg/L						
LCS (B308439-BS1)			Prepared & Analyzed: 05/24/13					
Mercury	0.00211	mg/L	0.002000		106	85-115		
Matrix Spike (B308439-MS1)	**Source: 3053137-13**		Prepared & Analyzed: 05/24/13					
Mercury	0.0201	mg/L	0.02000	ND	100	70-130		
Matrix Spike (B308439-MS2)	**Source: 3053137-18**		Prepared & Analyzed: 05/24/13					
Mercury	0.0188	mg/L	0.02000	ND	94	70-130		
Matrix Spike Dup (B308439-MSD1)	**Source: 3053137-13**		Prepared & Analyzed: 05/24/13					
Mercury	0.0213	mg/L	0.02000	ND	106	70-130	6	20
Matrix Spike Dup (B308439-MSD2)	**Source: 3053137-18**		Prepared & Analyzed: 05/24/13					
Mercury	0.0202	mg/L	0.02000	ND	101	70-130	7	20
Batch B308442 - 04 EPA 200.2 R2.8								

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Bridgeton Landfill
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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/23/13 15:15
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308442 - 04 EPA 200.2 R2.8									
Blank (B308442-BLK1)				Prepared & Analyzed: 05/24/13					
Arsenic		< 0.015	mg/L						
Zinc		< 0.010	mg/L						
LCS (B308442-BS1)				Prepared & Analyzed: 05/24/13					
Arsenic		0.0956	mg/L	0.1000		96	85-115		
Zinc		0.101	mg/L	0.1000		101	85-115		
Matrix Spike (B308442-MS1)		**Source: 3053137-13**		Prepared & Analyzed: 05/24/13					
Arsenic		2.28	mg/L	1.000	1.21	107	70-130		
Zinc	Q4	17.5	mg/L	1.000	15.9	153	70-130		
Matrix Spike Dup (B308442-MSD1)		**Source: 3053137-13**		Prepared & Analyzed: 05/24/13					
Arsenic		2.20	mg/L	1.000	1.21	99	70-130	4	20
Zinc	Q4	17.1	mg/L	1.000	15.9	121	70-130	2	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308522 - 04-No Prep VOA								
Blank (B308522-BLK1)			Prepared & Analyzed: 05/26/13					
Benzene	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*68.7*	*ug/L*	*30.00*		*229*	*65-134*		
Surrogate: Toluene-d8	*69.7*	*ug/L*	*30.00*		*232*	*74.2-117*		
Surrogate: Bromofluorobenzene	*66.0*	*ug/L*	*30.00*		*220*	*74.1-125*		
Blank (B308522-BLK2)			Prepared: 05/26/13 Analyzed: 05/27/13					
Benzene	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*29.1*	*ug/L*	*30.00*		*97*	*65-134*		
Surrogate: Toluene-d8	*29.4*	*ug/L*	*30.00*		*98*	*74.2-117*		
Surrogate: Bromofluorobenzene	*29.4*	*ug/L*	*30.00*		*98*	*74.1-125*		
LCS (B308522-BS1)			Prepared & Analyzed: 05/26/13					
Benzene	17.2	ug/L	20.00		86	84-114		
Surrogate: 1,2-Dichloroethane-d4	*29.9*	*ug/L*	*30.00*		*100*	*65.3-134*		
Surrogate: Toluene-d8	*29.4*	*ug/L*	*30.00*		*98*	*73.2-119*		
Surrogate: Bromofluorobenzene	*29.8*	*ug/L*	*30.00*		*99*	*77.8-123*		
LCS (B308522-BS2)			Prepared: 05/26/13 Analyzed: 05/27/13					
Benzene	17.5	ug/L	20.00		88	84-114		
Surrogate: 1,2-Dichloroethane-d4	*30.2*	*ug/L*	*30.00*		*101*	*65.3-134*		
Surrogate: Toluene-d8	*30.2*	*ug/L*	*30.00*		*101*	*73.2-119*		

3053137

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/23/13 15:15
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308522 - 04-No Prep VOA									
LCS (B308522-BS2)				Prepared: 05/26/13 Analyzed: 05/27/13					
Surrogate: Bromofluorobenzene		*28.6*	*ug/L*	*30.00*		*95*	*77.8-123*		
Matrix Spike (B308522-MS1)		**Source: 3052948-45**		Prepared & Analyzed: 05/26/13					
Benzene	Q3	416	ug/L	400.0	166	62	69-126		
Surrogate: 1,2-Dichloroethane-d4		*29.2*	*ug/L*	*30.00*		*97*	*63.3-137*		
Surrogate: Toluene-d8		*30.2*	*ug/L*	*30.00*		*101*	*71-122*		
Surrogate: Bromofluorobenzene		*31.7*	*ug/L*	*30.00*		*106*	*74.6-123*		
Matrix Spike (B308522-MS2)		**Source: 3053137-12**		Prepared: 05/26/13 Analyzed: 05/27/13					
Benzene	Q1	1950	ug/L	400.0	1700	63	69-126		
Surrogate: 1,2-Dichloroethane-d4		*27.6*	*ug/L*	*30.00*		*92*	*63.3-137*		
Surrogate: Toluene-d8		*29.1*	*ug/L*	*30.00*		*97*	*71-122*		
Surrogate: Bromofluorobenzene		*31.8*	*ug/L*	*30.00*		*106*	*74.6-123*		
Matrix Spike Dup (B308522-MSD1)		**Source: 3052948-45**		Prepared & Analyzed: 05/26/13					
Benzene	Q3	392	ug/L	400.0	166	57	69-126	6	40
Surrogate: 1,2-Dichloroethane-d4		*30.4*	*ug/L*	*30.00*		*101*	*63.3-137*		
Surrogate: Toluene-d8		*30.0*	*ug/L*	*30.00*		*100*	*71-122*		
Surrogate: Bromofluorobenzene		*31.8*	*ug/L*	*30.00*		*106*	*74.6-123*		
Batch B308717 - 04-No Prep VOA									
Blank (B308717-BLK1)				Prepared & Analyzed: 05/29/13					
Benzene		< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4		*30.1*	*ug/L*	*30.00*		*100*	*65-134*		
Surrogate: Toluene-d8		*29.6*	*ug/L*	*30.00*		*99*	*74.2-117*		
Surrogate: Bromofluorobenzene		*28.6*	*ug/L*	*30.00*		*95*	*74.1-125*		
LCS (B308717-BS1)				Prepared & Analyzed: 05/29/13					
Benzene		19.6	ug/L	20.00		98	84-114		
Surrogate: 1,2-Dichloroethane-d4		*33.0*	*ug/L*	*30.00*		*110*	*65.3-134*		
Surrogate: Toluene-d8		*30.3*	*ug/L*	*30.00*		*101*	*73.2-119*		
Surrogate: Bromofluorobenzene		*28.8*	*ug/L*	*30.00*		*96*	*77.8-123*		
Matrix Spike (B308717-MS1)		**Source: 3053516-01**		Prepared & Analyzed: 05/29/13					
Benzene		17.6	ug/L	20.00	ND	88	69-126		
Surrogate: 1,2-Dichloroethane-d4		*35.8*	*ug/L*	*30.00*		*119*	*63.3-137*		
Surrogate: Toluene-d8		*31.7*	*ug/L*	*30.00*		*106*	*71-122*		
Surrogate: Bromofluorobenzene		*31.2*	*ug/L*	*30.00*		*104*	*74.6-123*		
Matrix Spike Dup (B308717-MSD1)		**Source: 3053516-01**		Prepared & Analyzed: 05/29/13					
Benzene		15.6	ug/L	20.00	ND	78	69-126	12	40
Surrogate: 1,2-Dichloroethane-d4		*33.3*	*ug/L*	*30.00*		*111*	*63.3-137*		

3053137

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/23/13 15:15
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308717 - 04-No Prep VOA								
Matrix Spike Dup (B308717-MSD1)	**Source: 3053516-01**		Prepared & Analyzed: 05/29/13					
Surrogate: Toluene-d8	*31.1*	*ug/L*	*30.00*		*104*	*71-122*		
Surrogate: Bromofluorobenzene	*30.6*	*ug/L*	*30.00*		*102*	*74.6-123*		

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Date Received: 05/23/13 15:15
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Laboratory Results

Notes

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

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.
Q3 MS/MSD both failed %R
Q1 MS Failed %R
H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Roxann Shull

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: BRIDGETON L.F. (BLF)	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 ST. CHARLES ROCK ROAD	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: BRIDGETON, MO 63044	SAMPLER: SCOTT C. FEDAK		MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, NAL-NONAQUEOUS, SOIL-SOILS
CONTACT PERSON: SCOTT C. FEDAK	SAMPLER'S SIGNATURE: Scott C. Fedak		

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 305137
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD	Total Metals	pH	TSS	Total Benzene (GW)			REMARKS
TANK 159 256433	5/22/13	1253	X		L'CHT	5								See Attachment
TANK 176 SU299956L		1316												
TANK 142 ~~SU~~ A511		1351												
TANK 141 259178		1358												
TANK 140 259551		1401												
TANK 139 251844		1404												
TANK 138 258770		1410												
TANK 137 256442		1422												
TANK 136 239860		1430												
TANK 135 252628		1438												
TANK 134 255222		1442												
TANK 133 239605		1455												

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/23/13	1310	[signature]	5/23/13	13:10
[signature]	5/23/13	13:45	Caitlin Caillouet	5/23/13	13:45
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	2.4 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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CHAIN OF CUSTODY RECORD

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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: BRIDGETON L.F. (BLF)	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 ST. CHARLES ROCK ROAD	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: BRIDGETON, MO 63044	SAMPLER: Scott C. Fedak		
CONTACT PERSON: Scott C. Fedak	SAMPLER'S SIGNATURE: Scott C. Fedak		

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN #:
LOGGED BY:
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD	Total metals	pH	TSS	Total Benzene (624)			REMARKS
TANK 132 259868	5/22/13	1508	X		L'CHT	5	X	X	X	X	X			See Attachment
TANK 131 239641		1511												
TANK 130 238959		1519												
TANK ~~128~~ 129 SCF 239955		1525												
TANK 126 265749		1529												
TANK 125 256464		1534												
TANK 143 239445		1545												
TANK 144 238715		1555												
TANK 145 259724		1604												
TANK 146 265342		1612												
TANK 147 259720		1620												
TANK 148 254537		1627												

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/23/13	1310	[illegible]	5/23/13	13:10
[illegible]	5/23/13	13:45	[illegible]	5/23/13	13:45
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	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
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE	

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Attn: Dan Feezor

Date Received: 05/23/13 13:45
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Sample No: **3053172-01**
Sample Description: **Tank 19 239361**

Collect Date: **05/22/13 16:41**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	46000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.8	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1100	mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.69	mg/L		05/24/13 16:51	WPS	EPA 200.7 R4.4	04KS
Zinc	15	mg/L		05/24/13 16:51	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	890	ug/L		05/27/13 09:56	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*96 %*	*65-134*		*05/27/13 09:56*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/27/13 09:56*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*110 %*	*74.1-125*		*05/27/13 09:56*	*BP*	*EPA 624*	

Sample No: **3053172-02**
Sample Description: **Tank 120 265608**

Collect Date: **05/23/13 07:48**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	94000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.3	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	440	mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.0054	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.95	mg/L		05/24/13 16:55	WPS	EPA 200.7 R4.4	04KS
Zinc	15	mg/L		05/24/13 16:55	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	850	ug/L		05/27/13 10:21	BP	EPA 624	04KS

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Date Received: 05/23/13 13:45
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Sample No: **3053172-02**
Sample Description: **Tank 120 265608**

Collect Date: **05/23/13 07:48**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: 1,2-Dichloroethane-d4	*95 % 65-134*		*05/27/13 10:21*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/27/13 10:21*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*116 % 74.1-125*		*05/27/13 10:21*	*BP*	*EPA 624*	

Sample No: **3053172-03**
Sample Description: **Tank 121 239692**

Collect Date: **05/23/13 07:52**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	80000 mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	270 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.87 mg/L		05/24/13 17:12	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L		05/24/13 17:12	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	490 ug/L		05/28/13 11:18	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*90 % 65-134*		*05/28/13 11:18*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*95 % 74.2-117*		*05/28/13 11:18*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*106 % 74.1-125*		*05/28/13 11:18*	*BP*	*EPA 624*	

Sample No: **3053172-04**
Sample Description: **Tank 122 251585**

Collect Date: **05/23/13 08:05**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	84000 mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3053172-04**
Sample Description: **Tank 122 251585**

Collect Date: **05/23/13 08:05**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	750 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0 mg/L		05/24/13 17:16	WPS	EPA 200.7 R4.4	04KS
Zinc	15 mg/L		05/24/13 17:16	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	700 ug/L		05/28/13 12:39	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 % 65-134*		*05/28/13 12:39*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*104 % 74.2-117*		*05/28/13 12:39*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 % 74.1-125*		*05/28/13 12:39*	*BP*	*EPA 624*	

Sample No: **3053172-05**
Sample Description: **Tank 123 253150**

Collect Date: **05/23/13 08:10**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	86000 mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	240 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.97 mg/L		05/24/13 17:20	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/24/13 17:20	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	730 ug/L		05/28/13 13:10	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*94 % 65-134*		*05/28/13 13:10*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3053172-05**
Sample Description: **Tank 123 253150**

Collect Date: **05/23/13 08:10**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*105 %*	*74.2-117*		*05/28/13 13:10*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*109 %*	*74.1-125*		*05/28/13 13:10*	*BP*	*EPA 624*	

Sample No: **3053172-06**
Sample Description: **Tank 124 255444**

Collect Date: **05/23/13 08:14**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	73000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.8	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	300	mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0	mg/L		05/24/13 17:24	WPS	EPA 200.7 R4.4	04KS
Zinc	13	mg/L		05/24/13 17:24	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	690	ug/L		05/28/13 13:42	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 %*	*65-134*		*05/28/13 13:42*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*108 %*	*74.2-117*		*05/28/13 13:42*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*114 %*	*74.1-125*		*05/28/13 13:42*	*BP*	*EPA 624*	

Sample No: **3053172-07**
Sample Description: **Tank 119 239283**

Collect Date: **05/23/13 09:03**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	88000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS

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Customer #: 277310

Laboratory Results

Sample No: **3053172-07**
Sample Description: **Tank 119 239283**

Collect Date: **05/23/13 09:03**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	460 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.91 mg/L		05/24/13 17:28	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/24/13 17:28	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	640 ug/L		05/28/13 14:09	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 % 65-134*		*05/28/13 14:09*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*102 % 74.2-117*		*05/28/13 14:09*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*107 % 74.1-125*		*05/28/13 14:09*	*BP*	*EPA 624*	

Sample No: **3053172-08**
Sample Description: **Tank 40 260753**

Collect Date: **05/23/13 08:53**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	89000 mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.6 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	260 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.0092 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.98 mg/L		05/24/13 17:44	WPS	EPA 200.7 R4.4	04KS
Zinc	15 mg/L		05/24/13 17:44	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	920 ug/L		05/28/13 14:40	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*104 % 65-134*		*05/28/13 14:40*	*BP*	*EPA 624*	

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Customer #: 277310

Laboratory Results

Sample No: **3053172-08**
Sample Description: **Tank 40 260753**

Collect Date: **05/23/13 08:53**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*106 %*	*74.2-117*		*05/28/13 14:40*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*111 %*	*74.1-125*		*05/28/13 14:40*	*BP*	*EPA 624*	

Sample No: **3053172-09**
Sample Description: **Tank 118 254383**

Collect Date: **05/23/13 08:43**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	75000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.6	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	100	mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.91	mg/L		05/24/13 17:48	WPS	EPA 200.7 R4.4	04KS
Zinc	14	mg/L		05/24/13 17:48	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	1900	ug/L		05/28/13 15:13	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*95 %*	*65-134*		*05/28/13 15:13*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*102 %*	*74.2-117*		*05/28/13 15:13*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*116 %*	*74.1-125*		*05/28/13 15:13*	*BP*	*EPA 624*	

Sample No: **3053172-10**
Sample Description: **Tank 117 256033**

Collect Date: **05/23/13 08:33**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	83000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3053172-10**
Sample Description: **Tank 117 256033**

Collect Date: **05/23/13 08:33**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.7 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	290 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.98 mg/L		05/24/13 18:05	WPS	EPA 200.7 R4.4	04KS
Zinc	15 mg/L		05/24/13 18:05	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	470 ug/L		05/28/13 15:46	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*96 % 65-134*		*05/28/13 15:46*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 % 74.2-117*		*05/28/13 15:46*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 % 74.1-125*		*05/28/13 15:46*	*BP*	*EPA 624*	

Sample No: **3053172-11**
Sample Description: **Tank 116 254529**

Collect Date: **05/23/13 08:29**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	58000 mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.7 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	180 mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.82 mg/L		05/24/13 18:09	WPS	EPA 200.7 R4.4	04KS
Zinc	8.5 mg/L		05/24/13 18:09	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	660 ug/L		05/28/13 16:16	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*99 % 65-134*		*05/28/13 16:16*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3053172-11**
Sample Description: **Tank 116 254529**

Collect Date: **05/23/13 08:29**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*105 %*	*74.2-117*		*05/28/13 16:16*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 %*	*74.1-125*		*05/28/13 16:16*	*BP*	*EPA 624*	

Sample No: **3053172-12**
Sample Description: **Tank 115 239661**

Collect Date: **05/23/13 09:11**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	78000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.6	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	470	mg/L		05/24/13 12:25	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.0034	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0	mg/L		05/24/13 18:13	WPS	EPA 200.7 R4.4	04KS
Zinc	14	mg/L	Q4	05/24/13 18:13	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	530	ug/L		05/28/13 16:49	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*99 %*	*65-134*		*05/28/13 16:49*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 %*	*74.2-117*		*05/28/13 16:49*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*104 %*	*74.1-125*		*05/28/13 16:49*	*BP*	*EPA 624*	

Sample No: **3053172-13**
Sample Description: **Tank 128 258735**

Collect Date: **05/23/13 09:15**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	60000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3053172-13**
Sample Description: **Tank 128 258735**

Collect Date: **05/23/13 09:15**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	6.0 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	150 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.38 mg/L		05/24/13 18:25	WPS	EPA 200.7 R4.4	04KS
Zinc	10 mg/L		05/24/13 18:25	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	900 ug/L		05/28/13 17:20	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 % 65-134*		*05/28/13 17:20*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*104 % 74.2-117*		*05/28/13 17:20*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*108 % 74.1-125*		*05/28/13 17:20*	*BP*	*EPA 624*	

Sample No: **3053172-14**
Sample Description: **Tank 127 265107**

Collect Date: **05/23/13 09:17**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	8000 mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.6 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	74 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.17 mg/L		05/24/13 18:29	WPS	EPA 200.7 R4.4	04KS
Zinc	0.40 mg/L		05/24/13 18:29	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	< 100 ug/L		05/28/13 17:45	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*96 % 65-134*		*05/28/13 17:45*	*BP*	*EPA 624*	

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Sample No: **3053172-14**
Sample Description: **Tank 127 265107**

Collect Date: **05/23/13 09:17**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*97 %*	*74.2-117*		*05/28/13 17:45*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*95 %*	*74.1-125*		*05/28/13 17:45*	*BP*	*EPA 624*	

Sample No: **3053172-15**
Sample Description: **Tank 114 239927**

Collect Date: **05/23/13 10:07**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	47000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.9	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	160	mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.26	mg/L		05/24/13 18:33	WPS	EPA 200.7 R4.4	04KS
Zinc	4.7	mg/L		05/24/13 18:33	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	850	ug/L		05/28/13 18:10	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*85 %*	*65-134*		*05/28/13 18:10*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*93 %*	*74.2-117*		*05/28/13 18:10*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*106 %*	*74.1-125*		*05/28/13 18:10*	*BP*	*EPA 624*	

Sample No: **3053172-16**
Sample Description: **Tank 113 254337**

Collect Date: **05/23/13 09:57**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	40000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS

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Sample No: **3053172-16**
Sample Description: **Tank 113 254337**

Collect Date: **05/23/13 09:57**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.7 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	230 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.47 mg/L		05/24/13 18:37	WPS	EPA 200.7 R4.4	04KS
Zinc	4.8 mg/L		05/24/13 18:37	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1200 ug/L		05/28/13 18:36	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*96 % 65-134*		*05/28/13 18:36*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*101 % 74.2-117*		*05/28/13 18:36*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*107 % 74.1-125*		*05/28/13 18:36*	*BP*	*EPA 624*	

Sample No: **3053172-17**
Sample Description: **Tank 112 239653**

Collect Date: **05/23/13 09:43**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	48000 mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	510 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.54 mg/L		05/24/13 18:41	WPS	EPA 200.7 R4.4	04KS
Zinc	3.9 mg/L		05/24/13 18:41	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1000 ug/L		05/28/13 19:02	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*91 % 65-134*		*05/28/13 19:02*	*BP*	*EPA 624*	

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Sample No: **3053172-17**
Sample Description: **Tank 112 239653**

Collect Date: **05/23/13 09:43**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*105 %*	*74.2-117*		*05/28/13 19:02*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*112 %*	*74.1-125*		*05/28/13 19:02*	*BP*	*EPA 624*	

Sample No: **3053172-18**
Sample Description: **Tank 111 254232**

Collect Date: **05/23/13 09:32**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	90000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.5	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1600	mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.025	mg/L		05/24/13 12:14	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1	mg/L		05/24/13 18:58	WPS	EPA 200.7 R4.4	04KS
Zinc	15	mg/L		05/24/13 18:58	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	630	ug/L		05/28/13 19:28	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*93 %*	*65-134*		*05/28/13 19:28*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 %*	*74.2-117*		*05/28/13 19:28*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*125 %*	*74.1-125*		*05/28/13 19:28*	*BP*	*EPA 624*	

Sample No: **3053172-19**
Sample Description: **Tank 110 254161**

Collect Date: **05/23/13 10:31**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	88000	mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3053172-19**
Sample Description: **Tank 110 254161**

Collect Date: **05/23/13 10:31**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	590 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.84 mg/L		05/24/13 19:02	WPS	EPA 200.7 R4.4	04KS
Zinc	18 mg/L		05/24/13 19:02	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	970 ug/L		05/28/13 19:54	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*95 % 65-134*		*05/28/13 19:54*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*100 % 74.2-117*		*05/28/13 19:54*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*122 % 74.1-125*		*05/28/13 19:54*	*BP*	*EPA 624*	

Sample No: **3053172-20**
Sample Description: **Tank 109 257716**

Collect Date: **05/23/13 10:26**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	88000 mg/L		05/24/13 10:45	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	190 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.96 mg/L		05/24/13 19:06	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/24/13 19:06	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	920 ug/L		05/28/13 20:19	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 % 65-134*		*05/28/13 20:19*	*BP*	*EPA 624*	

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Sample No: **3053172-20**
Sample Description: **Tank 109 257716**

Collect Date: **05/23/13 10:26**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/28/13 20:19*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*122 %*	*74.1-125*		*05/28/13 20:19*	*BP*	*EPA 624*	

Sample No: **3053172-21**
Sample Description: **Tank 108 256419**

Collect Date: **05/23/13 11:19**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	81000	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	640	mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0	mg/L		05/24/13 19:10	WPS	EPA 200.7 R4.4	04KS
Zinc	12	mg/L		05/24/13 19:10	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	850	ug/L		05/28/13 22:03	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 %*	*65-134*		*05/28/13 22:03*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*103 %*	*74.2-117*		*05/28/13 22:03*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*122 %*	*74.1-125*		*05/28/13 22:03*	*BP*	*EPA 624*	

Sample No: **3053172-22**
Sample Description: **Tank 107 239329**

Collect Date: **05/23/13 11:29**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	62000	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS

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Sample No: **3053172-22**
Sample Description: **Tank 107 239329**

Collect Date: **05/23/13 11:29**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.8 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	230 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.72 mg/L		05/24/13 19:14	WPS	EPA 200.7 R4.4	04KS
Zinc	16 mg/L		05/24/13 19:14	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1100 ug/L		05/28/13 23:20	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*98 % 65-134*		*05/28/13 23:20*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*102 % 74.2-117*		*05/28/13 23:20*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*107 % 74.1-125*		*05/28/13 23:20*	*BP*	*EPA 624*	

Sample No: **3053172-23**
Sample Description: **Tank 106 258730**

Collect Date: **05/23/13 10:40**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	61000 mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	360 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.62 mg/L		05/24/13 19:18	WPS	EPA 200.7 R4.4	04KS
Zinc	22 mg/L		05/24/13 19:18	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1400 ug/L		05/28/13 23:46	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*94 % 65-134*		*05/28/13 23:46*	*BP*	*EPA 624*	

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Sample No: **3053172-23**
Sample Description: **Tank 106 258730**

Collect Date: **05/23/13 10:40**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*99 %*	*74.2-117*		*05/28/13 23:46*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*137 %*	*74.1-125*	*T*	*05/28/13 23:46*	*BP*	*EPA 624*	

Sample No: **3053172-24**
Sample Description: **Tank 105 265635**

Collect Date: **05/23/13 10:45**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	55000	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.6	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	630	mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	< 0.0020	mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.86	mg/L		05/24/13 19:22	WPS	EPA 200.7 R4.4	04KS
Zinc	8.2	mg/L		05/24/13 19:22	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	1300	ug/L		05/29/13 00:12	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 %*	*65-134*		*05/29/13 00:12*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*101 %*	*74.2-117*		*05/29/13 00:12*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*117 %*	*74.1-125*		*05/29/13 00:12*	*BP*	*EPA 624*	

Sample No: **3053172-25**
Sample Description: **Tank 104 257711**

Collect Date: **05/23/13 10:51**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	74000	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3053172-25**
Sample Description: **Tank 104 257711**

Collect Date: **05/23/13 10:51**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	280 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.012 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.75 mg/L		05/24/13 19:26	WPS	EPA 200.7 R4.4	04KS
Zinc	15 mg/L		05/24/13 19:26	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1400 ug/L		05/29/13 00:38	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*91 % 65-134*		*05/29/13 00:38*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*98 % 74.2-117*		*05/29/13 00:38*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*120 % 74.1-125*		*05/29/13 00:38*	*BP*	*EPA 624*	

Sample No: **3053172-26**
Sample Description: **Tank 103 257706**

Collect Date: **05/23/13 11:06**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	66000 mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	580 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.65 mg/L		05/24/13 19:30	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/24/13 19:30	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	800 ug/L		05/29/13 01:04	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*103 % 65-134*		*05/29/13 01:04*	*BP*	*EPA 624*	

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Sample No: **3053172-26**
Sample Description: **Tank 103 257706**

Collect Date: **05/23/13 11:06**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*100 %*	*74.2-117*		*05/29/13 01:04*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*114 %*	*74.1-125*		*05/29/13 01:04*	*BP*	*EPA 624*	

Sample No: **3053172-27**
Sample Description: **Tank 102 255773**

Collect Date: **05/23/13 11:43**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	81000	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1100	mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.016	mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.2	mg/L		05/24/13 19:34	WPS	EPA 200.7 R4.4	04KS
Zinc	14	mg/L		05/24/13 19:34	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	2100	ug/L		05/29/13 01:30	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 %*	*65-134*		*05/29/13 01:30*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*105 %*	*74.2-117*		*05/29/13 01:30*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*146 %*	*74.1-125*	*T*	*05/29/13 01:30*	*BP*	*EPA 624*	

Sample No: **3053172-28**
Sample Description: **Tank 101 254395**

Collect Date: **05/23/13 11:55**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	86000	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3053172-28**
Sample Description: **Tank 101 254395**

Collect Date: **05/23/13 11:55**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.6 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1700 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.014 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0 mg/L		05/29/13 09:36	WPS	EPA 200.7 R4.4	04KS
Zinc	12 mg/L		05/29/13 09:36	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1500 ug/L		05/29/13 01:57	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 % 65-134*		*05/29/13 01:57*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/29/13 01:57*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*116 % 74.1-125*		*05/29/13 01:57*	*BP*	*EPA 624*	

Sample No: **3053172-29**
Sample Description: **Tank 100 257715**

Collect Date: **05/23/13 12:05**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	72000 mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.5 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1700 mg/L		05/24/13 16:00	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.027 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0 mg/L		05/29/13 09:51	WPS	EPA 200.7 R4.4	04KS
Zinc	13 mg/L		05/29/13 09:51	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1400 ug/L		05/29/13 02:22	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 % 65-134*		*05/29/13 02:22*	*BP*	*EPA 624*	

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Sample No: **3053172-29**
Sample Description: **Tank 100 257715**

Collect Date: **05/23/13 12:05**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL						
Surrogate: Toluene-d8	*103 % 74.2-117*		*05/29/13 02:22*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*121 % 74.1-125*		*05/29/13 02:22*	*BP*	*EPA 624*	

Sample No: **3053172-30**
Sample Description: **Tank 99 252043**

Collect Date: **05/23/13 12:13**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	78000 mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	1300 mg/L		05/28/13 10:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.068 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.96 mg/L		05/29/13 09:55	WPS	EPA 200.7 R4.4	04KS
Zinc	15 mg/L		05/29/13 09:55	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	1300 ug/L		05/29/13 02:48	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*98 % 65-134*		*05/29/13 02:48*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/29/13 02:48*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*116 % 74.1-125*		*05/29/13 02:48*	*BP*	*EPA 624*	

Sample No: **3053172-31**
Sample Description: **Tank 98 239157**

Collect Date: **05/23/13 12:27**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	87000 mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS

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Laboratory Results

Sample No: **3053172-31**
Sample Description: **Tank 98 239157**

Collect Date: **05/23/13 12:27**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
pH	5.4 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	880 mg/L		05/28/13 10:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	0.039 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	0.88 mg/L		05/29/13 09:59	WPS	EPA 200.7 R4.4	04KS
Zinc	22 mg/L		05/29/13 09:59	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	850 ug/L		05/29/13 03:14	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*94 % 65-134*		*05/29/13 03:14*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*99 % 74.2-117*		*05/29/13 03:14*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*114 % 74.1-125*		*05/29/13 03:14*	*BP*	*EPA 624*	

Sample No: **3053172-32**
Sample Description: **Tank 97 256111**

Collect Date: **05/23/13 12:31**
Matrix: **Waste Water**

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
COD	85000 mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.4 pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	270 mg/L		05/28/13 10:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL						
Mercury	< 0.0020 mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.0 mg/L		05/29/13 10:03	WPS	EPA 200.7 R4.4	04KS
Zinc	14 mg/L		05/29/13 10:03	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL						
Benzene	830 ug/L		05/29/13 03:40	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*97 % 65-134*		*05/29/13 03:40*	*BP*	*EPA 624*	

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Laboratory Results

Sample No: **3053172-32**
Sample Description: **Tank 97 256111**

Collect Date: **05/23/13 12:31**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
Volatile Organics - STL							
Surrogate: Toluene-d8	*100 %*	*74.2-117*		*05/29/13 03:40*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*119 %*	*74.1-125*		*05/29/13 03:40*	*BP*	*EPA 624*	

Sample No: **3053172-33**
Sample Description: **Tank 96 265915**

Collect Date: **05/23/13 12:45**
Matrix: **Waste Water**

Parameters	Result		Qual	Analysis Date	Analyst	Method	
General Chemistry - STL							
COD	89000	mg/L		05/24/13 13:30	DAW	SM 5220D 18Ed	04KS
pH	5.4	pH Units	H	05/24/13 10:30	ACV	SM 4500-H B 18Ed - EPA 150.1 - SW 9040B	04KS
Solids - total suspended solids (TSS)	710	mg/L		05/28/13 10:45	DAW	SM 2540D 18Ed	04KS
Total Metals - STL							
Mercury	0.015	mg/L		05/29/13 13:20	WPS	EPA 245.1 R3.0 / SW 7470A	04KS
Arsenic	1.1	mg/L		05/29/13 10:07	WPS	EPA 200.7 R4.4	04KS
Zinc	14	mg/L		05/29/13 10:07	WPS	EPA 200.7 R4.4	04KS
Volatile Organics - STL							
Benzene	910	ug/L		05/29/13 04:05	BP	EPA 624	04KS
Surrogate: 1,2-Dichloroethane-d4	*100 %*	*65-134*		*05/29/13 04:05*	*BP*	*EPA 624*	
Surrogate: Toluene-d8	*104 %*	*74.2-117*		*05/29/13 04:05*	*BP*	*EPA 624*	
Surrogate: Bromofluorobenzene	*126 %*	*74.1-125*	*T*	*05/29/13 04:05*	*BP*	*EPA 624*	

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Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308431 - 04-No Prep WC								
Blank (B308431-BLK1)			Prepared & Analyzed: 05/24/13					
COD	< 100	mg/L						
LCS (B308431-BS1)			Prepared & Analyzed: 05/24/13					
COD	517	mg/L	500.0		103	95-105		
Duplicate (B308431-DUP1)	**Source: 3053172-01**		Prepared & Analyzed: 05/24/13					
COD	46300	mg/L		46300			0	20
Batch B308456 - 04-No Prep WC								
Blank (B308456-BLK1)			Prepared & Analyzed: 05/24/13					
COD	< 100	mg/L						
LCS (B308456-BS1)			Prepared & Analyzed: 05/24/13					
COD	510	mg/L	500.0		102	95-105		
Duplicate (B308456-DUP1)	**Source: 3053172-21**		Prepared & Analyzed: 05/24/13					
COD	80700	mg/L		80700			0	20
Batch B308474 - 04-No Prep WC								
Blank (B308474-BLK1)			Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308474-BS1)			Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	105	mg/L	100.0		105	82.9-110		
Duplicate (B308474-DUP1)	**Source: 3052990-03**		Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	4880	mg/L		4780			2	5
Duplicate (B308474-DUP2)	**Source: 3052991-01**		Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	12.4	mg/L		12.8			3	5
Batch B308504 - 04-No Prep WC								
Blank (B308504-BLK1)			Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308504-BS1)			Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	100	mg/L	100.0		100	82.9-110		
Duplicate (B308504-DUP1)	**Source: 3053238-01**		Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	60.7	mg/L		61.3			1	5
Duplicate (B308504-DUP2)	**Source: 3053238-02**		Prepared & Analyzed: 05/24/13					
Solids - total suspended solids (TSS)	42.0	mg/L		40.0			5	5
Batch B308525 - 04-No Prep WC								

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Laboratory Results

General Chemistry - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308525 - 04-No Prep WC								
Calibration Check (B308525-CCV1)			Prepared & Analyzed: 05/24/13					
pH	7.01	pH Units	7.000		100	0-200		
Calibration Check (B308525-CCV2)			Prepared & Analyzed: 05/24/13					
pH	7.00	pH Units	7.000		100	0-200		
Calibration Check (B308525-CCV3)			Prepared & Analyzed: 05/24/13					
pH	6.99	pH Units	7.000		100	0-200		
Calibration Check (B308525-CCV4)			Prepared & Analyzed: 05/24/13					
pH	7.00	pH Units	7.000		100	0-200		
Duplicate (B308525-DUP1)	**Source: 3053172-01**		Prepared & Analyzed: 05/24/13					
pH	5.76	pH Units		5.77			0.2	10
Duplicate (B308525-DUP2)	**Source: 3053172-20**		Prepared & Analyzed: 05/24/13					
pH	5.51	pH Units		5.50			0.2	10
Batch B308561 - 04-No Prep WC								
Blank (B308561-BLK1)			Prepared & Analyzed: 05/28/13					
Solids - total suspended solids (TSS)	< 2.0	mg/L						
LCS (B308561-BS1)			Prepared & Analyzed: 05/28/13					
Solids - total suspended solids (TSS)	99.0	mg/L	100.0		99	82.9-110		
Duplicate (B308561-DUP1)	**Source: 3052995-01**		Prepared & Analyzed: 05/28/13					
Solids - total suspended solids (TSS)	12.8	mg/L		13.2			3	5
Duplicate (B308561-DUP2)	**Source: 3053010-01**		Prepared & Analyzed: 05/28/13					
Solids - total suspended solids (TSS)	1440	mg/L		1420			1	5

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308442 - 04 EPA 200.2 R2.8								
Blank (B308442-BLK1)			Prepared & Analyzed: 05/24/13					
Arsenic	< 0.015	mg/L						
Zinc	< 0.010	mg/L						
LCS (B308442-BS1)			Prepared & Analyzed: 05/24/13					
Arsenic	0.0956	mg/L	0.1000		96	85-115		
Zinc	0.101	mg/L	0.1000		101	85-115		
Matrix Spike (B308442-MS1)	**Source: 3053137-13**		Prepared & Analyzed: 05/24/13					

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Date Received: 05/23/13 13:45
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308442 - 04 EPA 200.2 R2.8									
Matrix Spike (B308442-MS1)		**Source: 3053137-13**		Prepared & Analyzed: 05/24/13					
Arsenic		2.28	mg/L	1.000	1.21	107	70-130		
Zinc	Q4	17.5	mg/L	1.000	15.9	153	70-130		
Matrix Spike Dup (B308442-MSD1)		**Source: 3053137-13**		Prepared & Analyzed: 05/24/13					
Arsenic		2.20	mg/L	1.000	1.21	99	70-130	4	20
Zinc	Q4	17.1	mg/L	1.000	15.9	121	70-130	2	20
Batch B308457 - 04-SW 7470A/245.1									
Blank (B308457-BLK1)				Prepared & Analyzed: 05/24/13					
Mercury		< 0.0002	mg/L						
LCS (B308457-BS1)				Prepared & Analyzed: 05/24/13					
Mercury		0.00219	mg/L	0.002000		110	85-115		
Matrix Spike (B308457-MS1)		**Source: 3053172-07**		Prepared & Analyzed: 05/24/13					
Mercury		0.0226	mg/L	0.02000	ND	113	70-130		
Matrix Spike (B308457-MS2)		**Source: 3053172-12**		Prepared & Analyzed: 05/24/13					
Mercury		0.0261	mg/L	0.02000	0.00340	114	70-130		
Matrix Spike Dup (B308457-MSD1)		**Source: 3053172-07**		Prepared & Analyzed: 05/24/13					
Mercury		0.0218	mg/L	0.02000	ND	109	70-130	4	20
Matrix Spike Dup (B308457-MSD2)		**Source: 3053172-12**		Prepared & Analyzed: 05/24/13					
Mercury		0.0268	mg/L	0.02000	0.00340	117	70-130	3	20
Batch B308494 - 04 EPA 200.2 R2.8									
Blank (B308494-BLK1)				Prepared & Analyzed: 05/24/13					
Arsenic		< 0.015	mg/L						
Zinc		< 0.010	mg/L						
LCS (B308494-BS1)				Prepared & Analyzed: 05/24/13					
Arsenic		0.0941	mg/L	0.1000		94	85-115		
Zinc		0.101	mg/L	0.1000		101	85-115		
Matrix Spike (B308494-MS1)		**Source: 3053172-12**		Prepared & Analyzed: 05/24/13					
Arsenic		2.20	mg/L	1.000	1.00	120	70-130		
Zinc	Q4	15.7	mg/L	1.000	14.4	122	70-130		
Matrix Spike Dup (B308494-MSD1)		**Source: 3053172-12**		Prepared & Analyzed: 05/24/13					
Arsenic		2.16	mg/L	1.000	1.00	115	70-130	2	20
Zinc	Q4	15.9	mg/L	1.000	14.4	144	70-130	1	20
Batch B308611 - 04 EPA 200.2 R2.8									

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(314) 432-0550 • (800) 333-FAST • FAX (314) 432-4977

Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/23/13 13:45
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Total Metals - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308611 - 04 EPA 200.2 R2.8								
Blank (B308611-BLK1)			Prepared: 05/28/13 Analyzed: 05/29/13					
Arsenic	< 0.015	mg/L						
Zinc	< 0.010	mg/L						
LCS (B308611-BS1)			Prepared: 05/28/13 Analyzed: 05/29/13					
Arsenic	0.0999	mg/L	0.1000		100	85-115		
Zinc	0.0999	mg/L	0.1000		100	85-115		
Matrix Spike (B308611-MS1)	**Source: 3053172-28**		Prepared: 05/28/13 Analyzed: 05/29/13					
Arsenic	1.99	mg/L	1.000	1.04	95	70-130		
Zinc	13.0	mg/L	1.000	12.1	92	70-130		
Matrix Spike Dup (B308611-MSD1)	**Source: 3053172-28**		Prepared: 05/28/13 Analyzed: 05/29/13					
Arsenic	2.16	mg/L	1.000	1.04	111	70-130	8	20
Zinc	13.4	mg/L	1.000	12.1	126	70-130	3	20
Batch B308631 - 04-SW 7470A/245.1								
Blank (B308631-BLK1)			Prepared & Analyzed: 05/29/13					
Mercury	< 0.0002	mg/L						
LCS (B308631-BS1)			Prepared & Analyzed: 05/29/13					
Mercury	0.00200	mg/L	0.002000		100	85-115		
Matrix Spike (B308631-MS1)	**Source: 3053172-23**		Prepared & Analyzed: 05/29/13					
Mercury	0.0212	mg/L	0.02000	ND	106	70-130		
Matrix Spike (B308631-MS2)	**Source: 3053172-28**		Prepared & Analyzed: 05/29/13					
Mercury	0.0336	mg/L	0.02000	0.0139	98	70-130		
Matrix Spike Dup (B308631-MSD1)	**Source: 3053172-23**		Prepared & Analyzed: 05/29/13					
Mercury	0.0220	mg/L	0.02000	ND	110	70-130	4	20
Matrix Spike Dup (B308631-MSD2)	**Source: 3053172-28**		Prepared & Analyzed: 05/29/13					
Mercury	0.0327	mg/L	0.02000	0.0139	94	70-130	3	20

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308522 - 04-No Prep VOA								
Blank (B308522-BLK1)			Prepared & Analyzed: 05/26/13					
Benzene	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*68.7*	*ug/L*	*30.00*		*229*	*65-134*		
Surrogate: Toluene-d8	*69.7*	*ug/L*	*30.00*		*232*	*74.2-117*		

3053172

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/23/13 13:45
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte		Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308522 - 04-No Prep VOA									
Blank (B308522-BLK1)				Prepared & Analyzed: 05/26/13					
Surrogate: Bromofluorobenzene		*66.0*	*ug/L*	*30.00*		*220*	*74.1-125*		
Blank (B308522-BLK2)				Prepared: 05/26/13 Analyzed: 05/27/13					
Benzene		< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4		*29.1*	*ug/L*	*30.00*		*97*	*65-134*		
Surrogate: Toluene-d8		*29.4*	*ug/L*	*30.00*		*98*	*74.2-117*		
Surrogate: Bromofluorobenzene		*29.4*	*ug/L*	*30.00*		*98*	*74.1-125*		
LCS (B308522-BS1)				Prepared & Analyzed: 05/26/13					
Benzene		17.2	ug/L	20.00		86	84-114		
Surrogate: 1,2-Dichloroethane-d4		*29.9*	*ug/L*	*30.00*		*100*	*65.3-134*		
Surrogate: Toluene-d8		*29.4*	*ug/L*	*30.00*		*98*	*73.2-119*		
Surrogate: Bromofluorobenzene		*29.8*	*ug/L*	*30.00*		*99*	*77.8-123*		
LCS (B308522-BS2)				Prepared: 05/26/13 Analyzed: 05/27/13					
Benzene		17.5	ug/L	20.00		88	84-114		
Surrogate: 1,2-Dichloroethane-d4		*30.2*	*ug/L*	*30.00*		*101*	*65.3-134*		
Surrogate: Toluene-d8		*30.2*	*ug/L*	*30.00*		*101*	*73.2-119*		
Surrogate: Bromofluorobenzene		*28.6*	*ug/L*	*30.00*		*95*	*77.8-123*		
Matrix Spike (B308522-MS1)		**Source: 3052948-45**		Prepared & Analyzed: 05/26/13					
Benzene	Q3	416	ug/L	400.0	166	62	69-126		
Surrogate: 1,2-Dichloroethane-d4		*29.2*	*ug/L*	*30.00*		*97*	*63.3-137*		
Surrogate: Toluene-d8		*30.2*	*ug/L*	*30.00*		*101*	*71-122*		
Surrogate: Bromofluorobenzene		*31.7*	*ug/L*	*30.00*		*106*	*74.6-123*		
Matrix Spike (B308522-MS2)		**Source: 3053137-12**		Prepared: 05/26/13 Analyzed: 05/27/13					
Benzene	Q1	1950	ug/L	400.0	1700	63	69-126		
Surrogate: 1,2-Dichloroethane-d4		*27.6*	*ug/L*	*30.00*		*92*	*63.3-137*		
Surrogate: Toluene-d8		*29.1*	*ug/L*	*30.00*		*97*	*71-122*		
Surrogate: Bromofluorobenzene		*31.8*	*ug/L*	*30.00*		*106*	*74.6-123*		
Matrix Spike Dup (B308522-MSD1)		**Source: 3052948-45**		Prepared & Analyzed: 05/26/13					
Benzene	Q3	392	ug/L	400.0	166	57	69-126	6	40
Surrogate: 1,2-Dichloroethane-d4		*30.4*	*ug/L*	*30.00*		*101*	*63.3-137*		
Surrogate: Toluene-d8		*30.0*	*ug/L*	*30.00*		*100*	*71-122*		
Surrogate: Bromofluorobenzene		*31.8*	*ug/L*	*30.00*		*106*	*74.6-123*		
Batch B308546 - 04-No Prep VOA									
Blank (B308546-BLK1)				Prepared & Analyzed: 05/28/13					
Benzene		< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4		*28.3*	*ug/L*	*30.00*		*94*	*65-134*		

3053172

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Bridgeton Landfill
13570 St Charles Rock Road
St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/23/13 13:45
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308546 - 04-No Prep VOA								
Blank (B308546-BLK1)			Prepared & Analyzed: 05/28/13					
Surrogate: Toluene-d8	*28.5*	*ug/L*	*30.00*		*95*	*74.2-117*		
Surrogate: Bromofluorobenzene	*28.1*	*ug/L*	*30.00*		*94*	*74.1-125*		
Blank (B308546-BLK2)			Prepared & Analyzed: 05/28/13					
Benzene	< 5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	*28.3*	*ug/L*	*30.00*		*94*	*65-134*		
Surrogate: Toluene-d8	*30.9*	*ug/L*	*30.00*		*103*	*74.2-117*		
Surrogate: Bromofluorobenzene	*29.2*	*ug/L*	*30.00*		*97*	*74.1-125*		
LCS (B308546-BS1)			Prepared & Analyzed: 05/28/13					
Benzene	22.7	ug/L	20.00		113	84-114		
Surrogate: 1,2-Dichloroethane-d4	*29.7*	*ug/L*	*30.00*		*99*	*65.3-134*		
Surrogate: Toluene-d8	*28.6*	*ug/L*	*30.00*		*95*	*73.2-119*		
Surrogate: Bromofluorobenzene	*29.0*	*ug/L*	*30.00*		*97*	*77.8-123*		
LCS (B308546-BS2)			Prepared & Analyzed: 05/28/13					
Benzene	22.8	ug/L	20.00		114	84-114		
Surrogate: 1,2-Dichloroethane-d4	*28.9*	*ug/L*	*30.00*		*96*	*65.3-134*		
Surrogate: Toluene-d8	*31.2*	*ug/L*	*30.00*		*104*	*73.2-119*		
Surrogate: Bromofluorobenzene	*29.1*	*ug/L*	*30.00*		*97*	*77.8-123*		
Matrix Spike (B308546-MS1)	**Source: 3053172-03**		Prepared & Analyzed: 05/28/13					
Benzene	876	ug/L	400.0	489	97	69-126		
Surrogate: 1,2-Dichloroethane-d4	*28.7*	*ug/L*	*30.00*		*96*	*63.3-137*		
Surrogate: Toluene-d8	*29.1*	*ug/L*	*30.00*		*97*	*71-122*		
Surrogate: Bromofluorobenzene	*31.5*	*ug/L*	*30.00*		*105*	*74.6-123*		
Matrix Spike (B308546-MS2)	**Source: 3053172-21**		Prepared & Analyzed: 05/28/13					
Benzene	1270	ug/L	400.0	852	105	69-126		
Surrogate: 1,2-Dichloroethane-d4	*29.4*	*ug/L*	*30.00*		*98*	*63.3-137*		
Surrogate: Toluene-d8	*31.0*	*ug/L*	*30.00*		*103*	*71-122*		
Surrogate: Bromofluorobenzene	*34.6*	*ug/L*	*30.00*		*115*	*74.6-123*		
Matrix Spike Dup (B308546-MSD1)	**Source: 3053172-03**		Prepared & Analyzed: 05/28/13					
Benzene	863	ug/L	400.0	489	93	69-126	1	40
Surrogate: 1,2-Dichloroethane-d4	*28.4*	*ug/L*	*30.00*		*95*	*63.3-137*		
Surrogate: Toluene-d8	*29.9*	*ug/L*	*30.00*		*100*	*71-122*		
Surrogate: Bromofluorobenzene	*32.9*	*ug/L*	*30.00*		*110*	*74.6-123*		
Matrix Spike Dup (B308546-MSD2)	**Source: 3053172-21**		Prepared & Analyzed: 05/28/13					
Benzene	1230	ug/L	400.0	852	95	69-126	3	40
Surrogate: 1,2-Dichloroethane-d4	*30.0*	*ug/L*	*30.00*		*100*	*63.3-137*		

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St. Louis, MO 63044
Attn: Dan Feezor

Date Received: 05/23/13 13:45
Report Date: 05/30/13
Customer #: 277310

Laboratory Results

Volatile Organics - Quality Control

Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B308546 - 04-No Prep VOA								
Matrix Spike Dup (B308546-MSD2)	**Source: 3053172-21**		Prepared & Analyzed: 05/28/13					
Surrogate: Toluene-d8	*32.0*	*ug/L*	*30.00*		*107*	*71-122*		
Surrogate: Bromofluorobenzene	*34.4*	*ug/L*	*30.00*		*115*	*74.6-123*		

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Date Received: 05/23/13 13:45
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Laboratory Results

Notes

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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); Indiana (C-IL-040); 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
NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing
Drinking Water Certifications: Kansas (E-10389)

T Surrogate recovery failed to meet the required acceptance criteria in the initial analysis. Sample was re-extracted (if applicalble) and re-analyzed, and the surrogate recovery was outside of the required acceptance criteria on the second analysis also.
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.
Q3 MS/MSD both failed %R
Q1 MS Failed %R
H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

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: BRIDGETON L.F. (BLF)	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13576 ST. CHARLES ROCK ROAD	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY STATE ZIP: BRIDGETON, MO 63044	SAMPLER: Scott C. Fedak		
CONTACT PERSON: Scott C. Fedak	SAMPLER'S SIGNATURE: Scott C. Fedak		

MATRIX TYPES: WW-WASTEWATER, DW-DRINKING WATER, GW-GROUND WATER, WWSL-SLUDGE, NAS-SOLID, L'CHT-LEACHATE, NAL-NONAQUEOUS, SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 3053172
LOGGED BY: HE
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD	Total Metals	pH	TSS	Total Benzene (624)			REMARKS
TANK 19 239361	5/22/13	1641	X		LCHT	5	X	X	X	X	X			See Attachment
TANK 120 265608	5/23/13	0748												
TANK 121 239692		0752												
TANK 122 251585		0805												
TANK 123 253150		0810												
TANK 124 255444		0814												
TANK 119 239283		0903												
TANK 40 266753		0853												
TANK 118 254383		0843												
TANK 117 256033		0833												
TANK 116 254529		0829												
TANK 115 239661		0911												

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 _____
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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. _____

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/23/13	1310	[illegible]	5/23/13	13:10
RELINQUISHED BY: (SIGNATURE) [illegible]	5/23/13	13:45	RECEIVED BY: Heather Gallant	5/23/13	13:45
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 2.8 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

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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: BRIDGETON L.F. (BLF)
ADDRESS: 13570 ST. CHARLES ROCK ROAD
CITY STATE ZIP: BRIDGETON, MO 63044
CONTACT PERSON: SCOTT C. FEDAK

PROJECT NUMBER:
P.O. NUMBER:
MEANS SHIPPED:
PHONE NUMBER:
FAX NUMBER:
EMAIL ADDRESS:
SAMPLER: SCOTT C. FEDAK
SAMPLER'S SIGNATURE: Scott C. Fedak

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN #
LOGGED BY:
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD	Total Metals	pH	TSS	Total Benzene (GW)			REMARKS
TANK 128 258735	5/23/13	0915	X		L'CHT	5	X	X	X	X	X			See Attachment
TANK 127 265107		0917												
TANK 114 239927		1007												
TANK 113 254337		0957												
TANK 112 239653		0943												
TANK 111 254232		0932												
TANK 110 254161		1031												
TANK 109 257716		1026												
TANK 108 256419		1119												
TANK 107 239329		1129												
TANK 106 258730		1040												
TANK 105 265635		1045												

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/23/13	1310	[signature]	5/23/13	13:10
[signature]	5/23/13	13:45	[signature]	5/23/13	13:45

8 COMMENTS:(FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT ____ °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLES(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 TME TAKEN FROM SAMPLE BOTTLE ____

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

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: BRIDGETON L.F. (BLF)	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
ADDRESS: 13570 ST. CHARLES ROCK ROAD	PHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
CITY, STATE, ZIP: BRIDGETON, MO 63044	SAMPLER: SCOTT C. FEDAK		
CONTACT PERSON: SCOTT C. FEDAK	SAMPLER'S SIGNATURE: Scott C. Fedak		

MATRIX TYPES:
WW-WASTEWATER
DW-DRINKING WATER
GW-GROUND WATER
WWSL-SLUDGE
NAS-SOLID
L'CHT-LEACHATE
NAL-NONAQUEOUS
SOIL-SOILS

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN #
LOGGED BY:
LAB PROJ. #
TEMPLATE:
PROJ. MGR.:

2

SAMPLE DESCRIPTION AS YOU WANT ON REPORT	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	Bottle Count	COD	Total Metals	pH	TSS	Total Benzene (624)			REMARKS
TANK 104 257711	5/23/13	1051	X		L'CHT	5	X	X	X	X	X			
TANK 103 257706		1106												
TANK 102 255773		1143												
TANK 101 254395		1155												
TANK 100 257715		1205												
TANK 99 252043		1213												
TANK 98 239157		1227												
TANK 97 256111		1231												
TANK 96 265915		1245												

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
RESULTS BY: E-MAIL FAX PHONE CALL PHONE/FAX# IF DIFFERENT FROM ABOVE

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.

7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
Scott C. Fedak	5/23/13	1310	[illegible]	5/23/13	13:10
[illegible]	5/23/13	13:45	Heather Gallant	5/23/13	13:45
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY:	DATE	TIME

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SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS)	Y OR N
DATE AND TME TAKEN FROM SAMPLE BOTTLE	____

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